Mr Pearson, Gwyn Mr Malcolm, Gwen.

The
CHEMIST AND DRUGGIST

Established 1859 28 Essex Street, Strand, London, W.C.2. *Registered as a Newspaper*

No. 2717
VOL. CXVI.

MARCH 5, 1932

Annual Subscription (with Diary) 20/-. *Single Copies* 9*d*.

HOWARDS'
Quinine & Tablets
ASPIRIN
All-British Bromides
SODII BICARB.
Bismuths, Citrates, Iodides
LACTATES, SALICYLATES
Camphor
Synthetic & Natural
ETHERS, MENTHOL, THYMOL
Soda Tart. & P. Seidlitz

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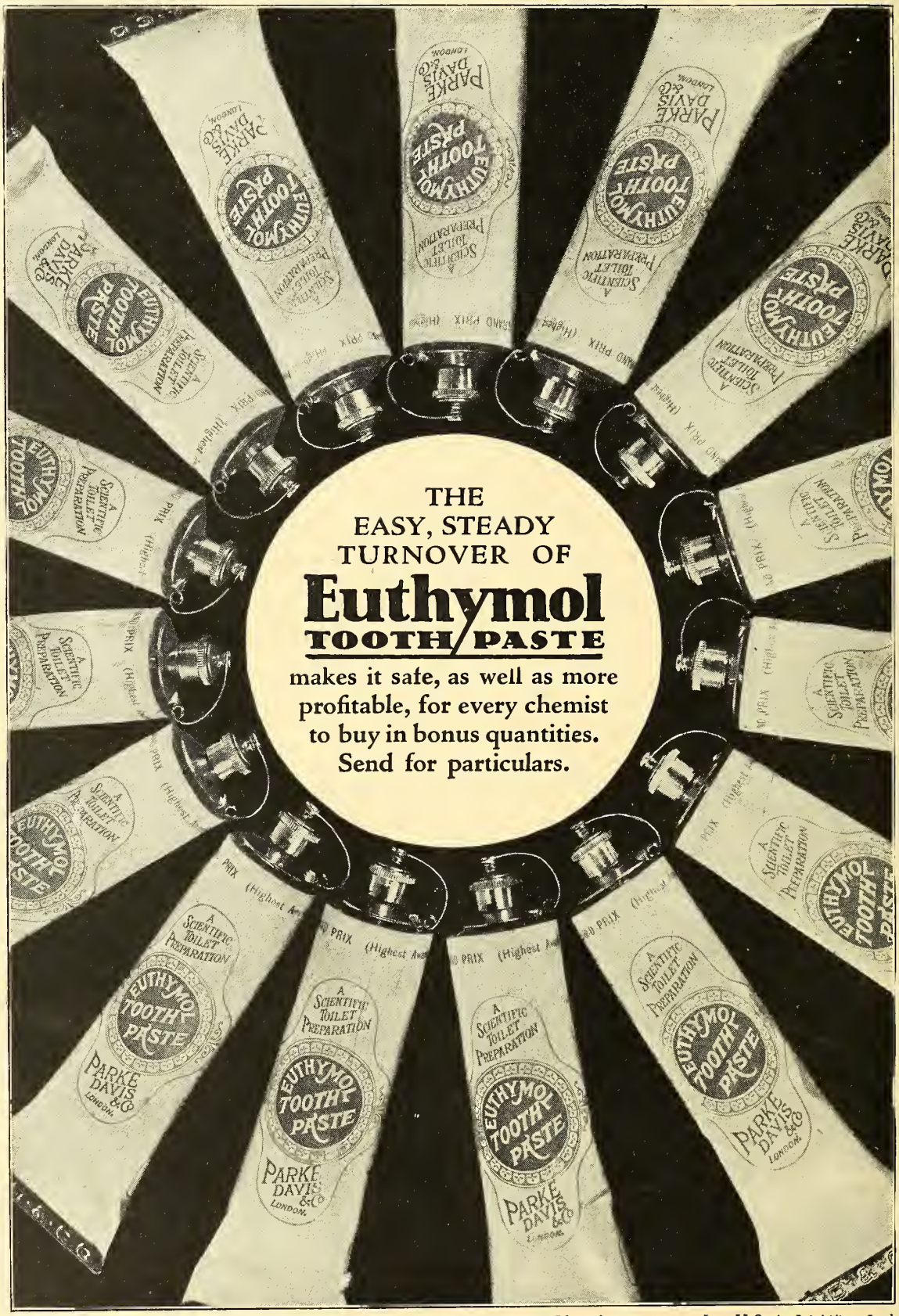


Parke, Davis & Co., 50 Beak St., London, W.1 :: Laboratories : Hounslow :: Inc. U.S.A. Liability, Ltd.

•BUY SPEAR BRAND PRODUCTS

SPEAR BRAND

HIRST BROOKE & HIRST LTD.
LEEDS.

AND SELL THE BEST.

Extract of Malt with Cod Liver Oil

Compound Syrup of Figs

Medicinal Liquid Paraffin

Chemical Food B.P.C.

Pure Olive Oil

These products bearing the Spear Brand design, which is in itself the symbol of quality and progress, are absolutely guaranteed by us in all respects.

Backed by a Hundred Years' Experience

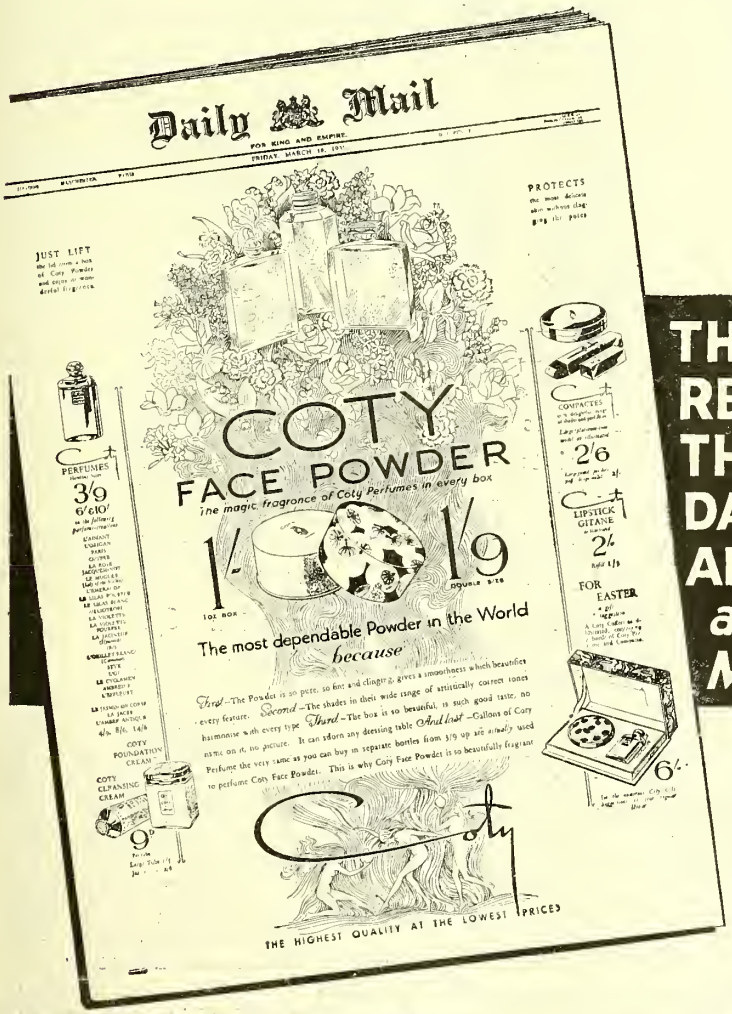
PERFECTION

March 1st
to
March 31st

AN ENO'S 'FRUIT SALT' BONUS OFFER

If you have not already received particulars, write to
J. C. ENO, LTD., 160 PICCADILLY, LONDON, W.1

Another intensive COTY ADVERTISING CAMPAIGN is NOW in full force



A new angle on Coty Face Powder is the key-note of our Campaign. These advertisements will be seen by 6,000,000 readers of the National and Provincial Newspapers.

THIS IS A REPRODUCTION OF THE ATTRACTIVE DAILY MAIL FRONT PAGE ADVERTISEMENT appearing on MARCH 18TH.

Let our *Window Display Department* help you to link up and get your share of the increased demand for Coty—

SHOW COTY *and you'll* SELL COTY

Coty (England) Limited, Coty House, 3 Stratford Place, London. W.1.

Telephone: Mayfair 7244-49. *Telegrams: Paricoty, Phone, London.*

C.F.H. 213

OLIVE OIL

you can sell with confidence

It is possible to obtain many grades of Olive Oil with equally varied fancy descriptions, but you cannot have better than the best. Although there may be higher priced brands there are none better than—

le Cris

Pure Edible Olive Oil

Reputed ¼-pints	- - -	Per dozen	6/6
„ ½-pints	- - -	„	10/6
„ pints	- - -	„	19/6
„ quarts	- - -	„	35/-

1 gross assorted, 10% discount.

1 gallon (free tin)	- -	Per gallon	8/9

Carriage paid on 6 gallons or 1 gross ¼-pints.

Attractive Lithographed Showcard on request.

FROM ALL WHOLESALERS.

Agents: **BUTLER & CRISPE**

J. H. CRISPE — L. H. CRISPE — R. P. GOWER

Cables and Marconigrams: "ALLUWANT LONDON." Telephone: CLERKENWELL 2661 (Private Branch Exchange). Telegraphic Address: "ALLUWANT, SMITH, LONDON."

IMPORTERS, EXPORTERS & DISTRIBUTORS

English and Foreign Proprietary Medicines, Perfumery, Toilet Goods, Druggists' Sundries.

80-84 CLERKENWELL ROAD, LONDON, E.C.1

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[Continued overleaf.

OLDFIELD, PATTINSON & CO.

Telegrams: "OPIUM MANCHESTER."

Telephones: BLACKFRIARS 4682 (2 lines).

Reliable House for all Pharmaceutical Preparations and for Personal Service

Concentrated Waters.
Concentrated Infusions.
Essential Oils.

OPIUM
B.P. Tinct. Aqueous Tinct.

Liquid Extracts.
Levigated Ointments.
Syr. Glycerophos. Co.

"Silver Churn" Dairy Specialities

MANCHESTER

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When you tender for **Disinfectants**

to Hospitals, Public Institutions, Local Councils, &c.

REMEMBER that

Burt, Boulton & Haywood LTD.

give you special terms for contracts.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids.
White Disinfecting Fluids—miscible in salt, fresh or brackish water Co-efficients 10/12, 18/20, 20/22.
Lysol 50% Cresols guaranteed. Pine Disinfecting Fluids.
Pink Carbolic Disinfecting Powders containing 5% to 20% Tar Acids.
Creosote Disinfecting Powders containing 5% to 20% Tar Acids.

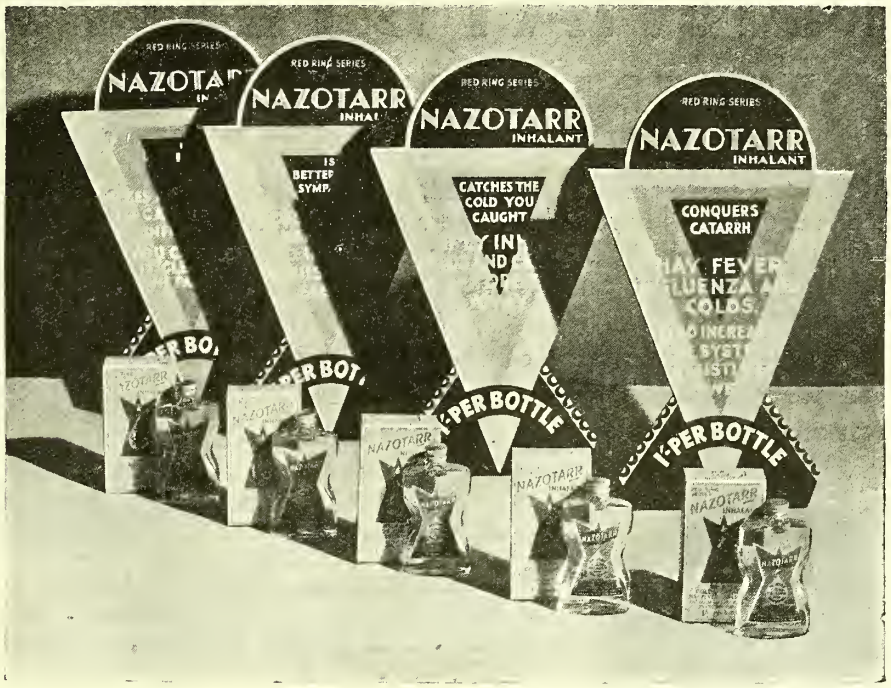
Carbolic Disinfecting Fluids Rideal Walker Co-efficients 2 to 20.
Liquid Carbolic and Cresylic Acid Dark 95/97% and Pale 97/99%.
Sulphur Candles. Formaldehyde (Formalin) 40% Solution.
Formaldehyde (Formalin) Tablets. Liquid Soaps.
SOLUBLE Carbolic or Pine Blocks for road watering vans.
Carbolic Weed Killer, etc.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

SAMPLES AND PRICES ON APPLICATION TO

BURT, BOULTON & HAYWOOD LTD. SALISBURY HOUSE, LONDON WALL, E.C.2



1/- per bottle

HAVE YOU ORDERED NAZOTARR BRAND INHALANT?

It is HAVING A WONDERFUL SUCCESS and is repeating at a phenomenal rate.

In the words of a customer:

"Its attractiveness captivates the eye and its efficacy is indisputable."

SEND FOR PARTICULARS *NOW for* Parcel of 6 doz. at 7/3 doz. less 10% 28 days.

Manufactured and guaranteed by

CUPAL LTD., Blackburn

'Grams - "Cupal, Blackburn"
'Phone - - Blackburn 6073.

LUTON HAT DYES – NOW IN 2 SIZES

Our standard size and price remain unaltered, but in response to thousands of requests we have introduced a new small size. This meets every purse and is sufficient for the small hats. Both sizes are packed in smart cartons and a suitable brush is supplied with every bottle.

You will sell just as many of the standard size as formerly—but you can also meet the demand for a Smaller and Cheaper Line.

Reduced Facsimile of Artistic Carton in Colours.

SMALL SIZE.
Price - 7/6 per doz.
Retail, 10d. per bott.

EXPORT

SPECIAL TERMS AND PRICES FOR EXPORT

WRITE FOR CATALOGUE

Reduced Facsimile of Artistic Carton in Colours.

STANDARD SIZE.
Price - 12/- per doz.
Retail - 1/4 per bott.

Millinery Experts forecast that 1932 will be
"A BIG STRAW HAT YEAR"

Do not stock inferior Dyes—push "LUTON" and retain the confidence of your Lady Customers. Each bottle in separate carton, complete with Brush, in the following colours, Dull or Glossy:—*Black, Navy Blue, Brown, Nigger Brown, Dark Brown, Nut Brown, Burnt Straw, Royal Blue, Nattier Blue, Saxe Blue, Poppy, Purple, Royal Purple, Jade Green, Emerald Green, Heliotrope, Grey, Rust, Pink, Olive Green, Myrtle Green, Old Rose, Primrose, Ruby, Kingfisher Blue, Mole, Almond Green, Flame, Silver Grey, Fuchsia, Royal Mail Red, Golden Brown.* Any other shade can be matched or supplied.

ORDER TO-DAY FROM

WHITAKER & CO. (KENDAL) LTD. Dye Specialists, KENDAL, ENG.

Makers of AURORAL Cold Water Dyes, WINNER HOME & WINNER Stocking Dyes, VELT, &c.

Stop Worrying about Volume!

GET AFTER THE NET PROFITS

This announcement is of great interest to those who are desirous of securing British Made Products in preference to the imported. To all who are seeking a service fully equipped to carry out the manufacture, packing and merchandising of High Grade Perfumes, Toilet Articles and Medicinal Proprietary Articles in quantity, we put our name before you with every confidence in our ability to serve you well.

We venture to suggest that, instead of trying to beat the sales records of 1929 or 1930, it is a far better proposition to concern ourselves with 1932 Profits, and give greater consideration to those lines which offer an opportunity to make a real profit on every sale. We can help those who are seeking ways and means to build bigger business and capture a wider market for British Made goods. We, of W. B. Cartwright Ltd., have had great experience, and possess every modern facility for the complete production of High Grade Toilet Articles at very moderate prices. We are daily producing Compactes, Lipsticks, Creams, Powders, Perfumes, Shampoos, Frictions, Lotions, etc., and enquiries for these and medicinal articles will have our prompt and careful attention.

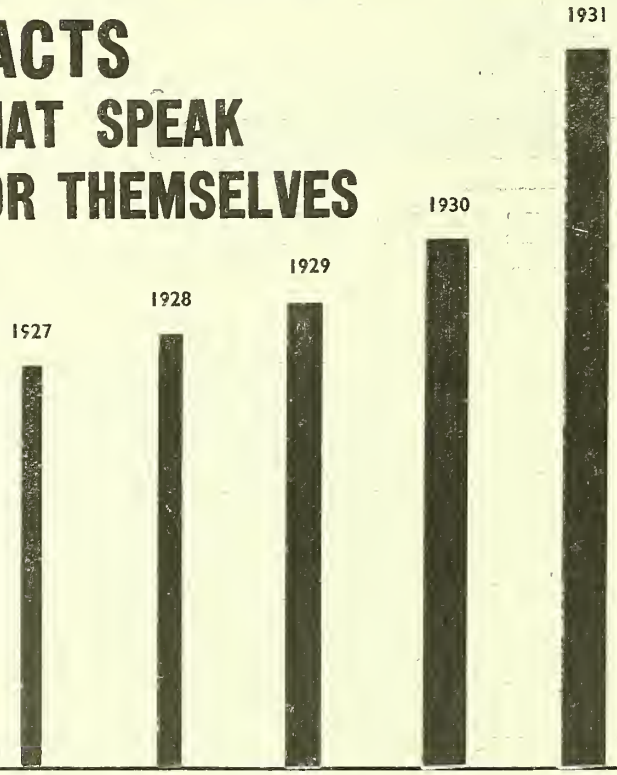
Address all enquiries to

W. B. CARTWRIGHT Ltd.

RAWDON—LEEDS

50% INCREASE
IN SALES IN TWO YEARS

FACTS THAT SPEAK FOR THEMSELVES



ITS ABSOLUTE PURITY
ITS FREEDOM FROM RANCIDITY
ITS DELICACY OF FLAVOUR

ARE THE QUALITIES THAT MAKE

SOUTHALLS "AI" OLIVE OIL

THE BEST
FOR MEDICINAL USE
CULINARY PURPOSES AND
FOR THE TOILET

SOUTHALLS "AI" OLIVE OIL

SAMPLE BOTTLE ON REQUEST

	Rep. Quarter Pts.	Rep. Half Pts.	Rep. Pints.	Rep. Quarts.	
Minimum Retail Prices (P.A.T.A) ...	9d.	1/3	2/3	4/–	per bott.
	6/–	9/–	16/–	29/–	per doz.
6 doz. reputed half pints (or the equivalent) ...	5/9	8/9	15/3	27/6	,,
12 doz. reputed half pints (or the equivalent) ...	5/6	8/6	14/6	26/–	,,

Bulk 15/– per gallon. 14/– in 5 gallon lots.

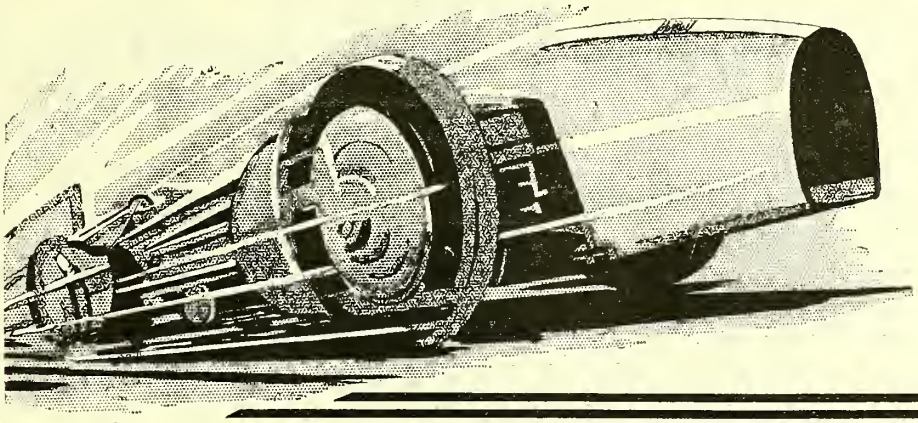
GLOBE OF OLIVES FREE with orders for one gross.

The above prices are subject to a discount of 2½% on payment before 15th of Month following date of invoice.

— RECIPE BOOKLET WITH EVERY BOTTLE —

SOUTHALL BROS. AND BARCLAY, LTD.
MANUFACTURING CHEMISTS, BIRMINGHAM

BRITISH ACHIEVEMENTS



Sir Malcolm Campbell

253 m.p.h.

Daytona—February 24, 1932

THE HOUSE OF MAW

The Bluebird Shaving Brush
Blue Morite (Regd.) Handle. **30/-** dozen.

The Bluebird Tooth Brush
Marbled Blue Celluloid Handle.
Bluebird, junior, **5/6** dozen. Bluebird, senior, **8/6** dozen.

Great lines introduced to commemorate a great achievement. Triumphs of British manufacturing skill and enterprise, worthy of the pharmacist's best selling efforts.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

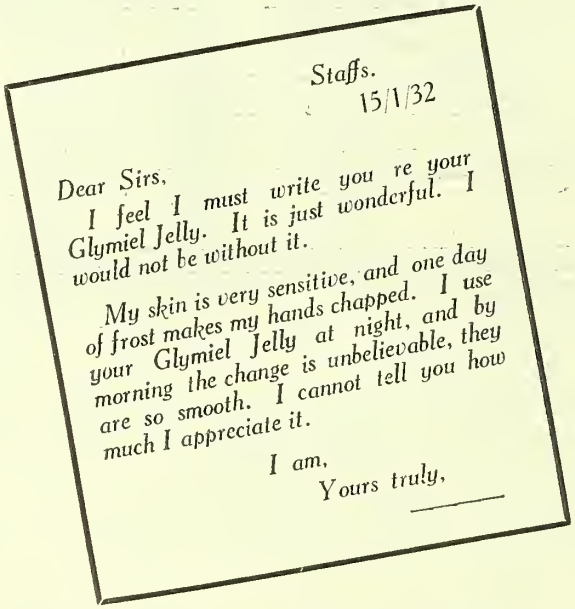
TRADE MARK

"Glymiel" Jelly

ADVERTISEMENTS are now appearing regularly in WEEKLY AND MONTHLY PERIODICALS, LONDON DAILY PAPERS AND PROVINCIAL EVENING PAPERS, and are impressing over

2,000,000

POTENTIAL CUSTOMERS resulting in letters like this


Staffs.
15/1/32

Dear Sirs,
I feel I must write you re your Glymiel Jelly. It is just wonderful. I would not be without it.

My skin is very sensitive, and one day of frost makes my hands chapped. I use your Glymiel Jelly at night, and by morning the change is unbelievable, they are so smooth. I cannot tell you how much I appreciate it.

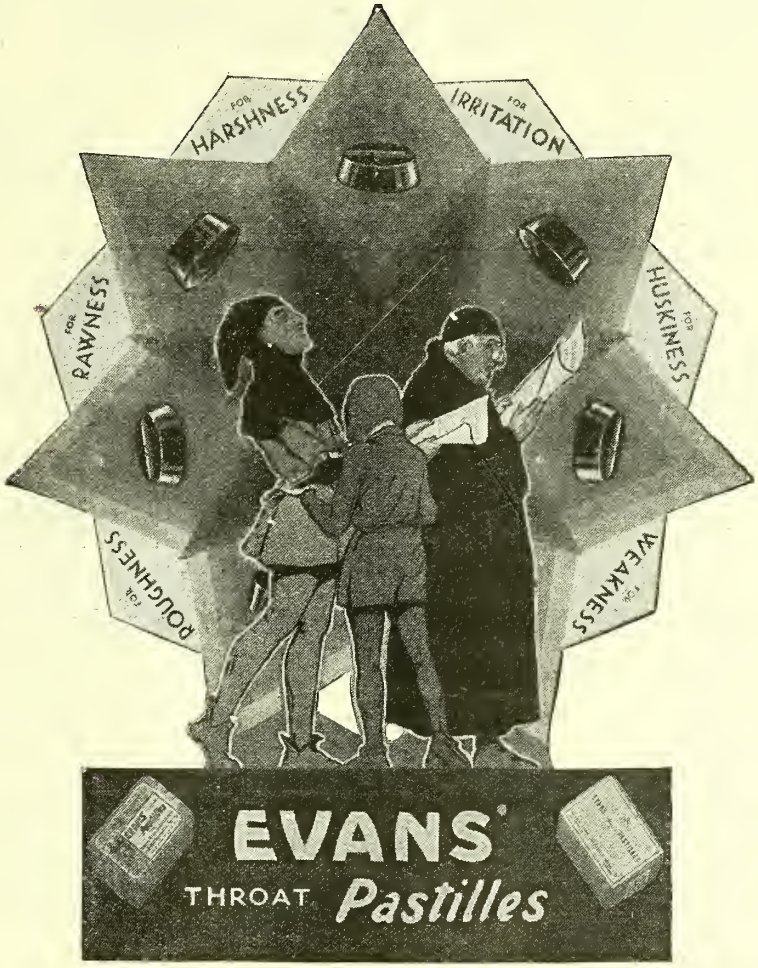
I am,
Yours truly,

OSBORNE, BAUER & CHEESEMAN

SOLE AGENTS :

SANGERS LTD.

258 EUSTON ROAD :: :: LONDON, N.W.1



The Advertising of Evans' Pastilles is now at its peak in the National and Provincial Press; every issue of these advertisements reaches 10,000,000 people who are told to "go to their chemist" for their supply.

Have you plenty of stock, and may we send you a cut-out-show as illustrated?

EVANS SONS LESCHER & WEBB Ltd.

The Signal of Reviving Trade
ENSIGN—Confident of 1932
present the new

ENSIGN
POCKET "TWENTY"

Never before has such superlative value been offered in folding roll film cameras

All Metal — No Focussing
Small Size — Light Weight

Pocket size $6\frac{3}{8} \times 3\frac{1}{4} \times 1\frac{1}{4}$. Steel plate body, copper plated and finished in moire ripple enamel. Patent silent, frictionless winding device. Time, Bulb and Instantaneous shutter. Rapid meniscus lens. Stops for ordinary and brilliant light. Reversible reflex view finder. No focussing, the front has two positions only, for views and "close-ups." Enamelled and nickel-plated parts.

Takes standard $2\frac{1}{4} \times 3\frac{1}{4}$ films.

Absolute Reliability

Every Ensign Camera has a Certificate of Guarantee

25/6

100% MADE IN GREAT BRITAIN

ENSIGN, LIMITED, HIGH HOLBORN, LONDON, W.C.1

AYRTON'S

BEST PRESENTED PACKS

JUST BY WAY OF ILLUSTRATION, although no black and white representation could do justice to this blue and gold ensemble. Ayrton, Saunders & Co., Ltd., are always anxious for any Trading Chemist to have an actual sight of the new items they are continually issuing, and will always be pleased to send a gratis sample to customers or a sample dozen at trade rate, post free, on receipt of letter head or name sticker.

AYRTON'S COMPLEXION WAX. A new dressing-table style for those who love elegance allied to supreme quality of product. Retail 1/-. New style opal pot or buff and gold tin, 7/6 per doz.

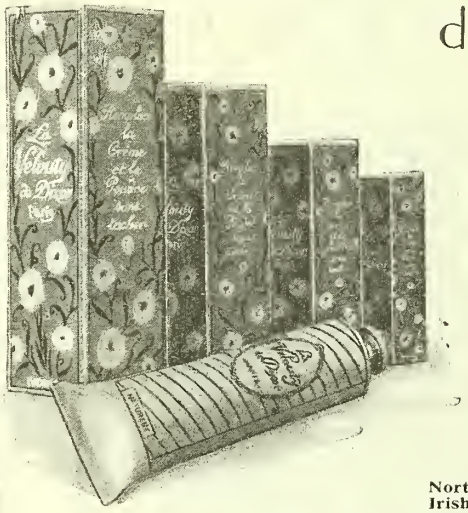
INFLUBAN Brand PINE INHALANT. A beautiful presentation of a 'flu prophylactic which CAN be carried conveniently on the person. A thin, flat bottle with screw sprinkler neck and bakelite cap. Exceedingly effective formula rich in menthol. Colourless, and does not stain the handkerchief. Packed 6 bottles in flat counter display box. Fine showcards available. Retail 1/-. Trade, per doz., 7/6.

BONNY BEE PURE HONEY. A brilliant "tub" packing with fine showcards. Effective display line at a popular price. 6d. (¼ lb.), per doz., 4/-. 10½d. (½ lb.), per doz., 7/-. 1/6 (1 lb.), per doz., 12/-.

34 Hanover Street - - - LIVERPOOL, ENGLAND

the original combined Cream and Powder

VELOUTY de DIXOR



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—No. 1. Handbag tube	3/-	doz.	Retail	-/4½
No. 2. Small tube -	4/-	,,	,,	-/6
No. 3. Medium tube	7/-	,,	,,	1/-
No. 4. Large tube -	14/-	,,	,,	2/-
No. 5. Super tube -	22/-	,,	,,	3/-
Pots - - -	21/-	,,	,,	2/9

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Manufacturers :

DIXOR, LTD.

68 Newman Street, Oxford Street, London, W.1.

Sole Distributors for

Northern Ireland : ROBERT MAYRS & CO., 43 Chichester Street, BELFAST
Irish Free State : MAY, ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

Yes—advertised month in and month out——and it shows you 83% PROFIT

THE BUTYWAVE CO. (Dept. O.27), 10 Tachbrook St., London, S.W.1

ANOTHER

JACKEL'S HAIR CREAM

To meet a widespread demand we are now marketing a new preparation named Oilafix. It is merely our well-known non-greasy Hair Cream with added oil. Oilafix does not compete with Jackel's Hair Cream—but you should stock both. Many customers to-day demand an oil Cream.

Both are the best of their class—
The original and leading Creams.

OILAFIX *Trade Terms :*
12/- per doz., retailing at 1/6 per bott.
20/- per doz., retailing at 2/6 per bott.

JACKEL'S HAIR CREAM
11/6 per doz., retailing at 1/6 per bott.
18/- per doz., retailing at 2/6 per bott.

JACKEL et CIE (of Paris) Ltd.
GLASGOW, C.2

London Agents : THE PHIL-SANO Co., Ltd., Craven House, Kingsway, W.C.2

"ODENTIC" PLATE BRUSH

Regd. No. 417637.

From all Wholesalers.

Packed in ½-dozen Display Boxes.

Manufacturers :

W. R. Speer & Son (EST. 100 YEARS)

215 DALSTON LANE - - LONDON, E.8

All for HAH *Beauty*

Still the Most Favoured of All!

Times and circumstances change. Fashion has new whims. But when a woman finds beauty preparations she can trust she seldom relinquishes them.

That is the experience of important retailers all over the country with Harriet Hubbard Ayer Beauty Preparations. Introduced into England some four years ago, these preparations at once became firm favourites with thousands of British women. And since then they have enjoyed ever-increasing popularity.

Distinguished and constant advertising in the principal papers and periodicals has done much. But it is the genuine excellence of the preparations themselves that has principally been responsible for this great success.

Have you realised how carefully Harriet Hubbard Ayer creams and lotions are planned —each to fulfil several functions? Luxuria, the favourite, for instance, not only cleanses but soothes and nourishes the skin as well.

Join our number of well-satisfied agents—and sell what your customers appreciate. Write to Harriet Hubbard Ayer Ltd., 130 Regent Street, London, W.1, for all particulars —or, better still, give us the pleasure of a personal call.

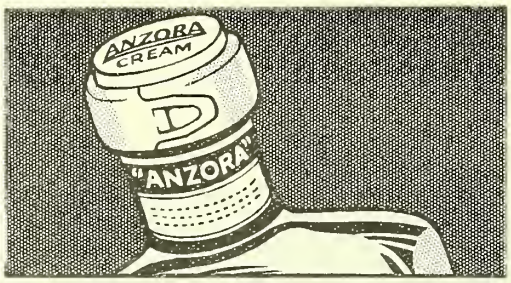
The retail prices of the famous LUXURIA Cream are 2/3, 4/=, 8/6, 11/9.

Skin & Tissue Builder 4/=, 7/6, 18/9, 30/=
Beautifying Face Cream 4/=, 7/6, 18/9, 30/=
Beautifying Face Powder 4/3
Eau de Beauté 4/=, 8/=

HARRIET HUBBARD AYER *LTD.*
Beauty Preparations

NEW YORK LONDON PARIS

B B



The Finest Hair Fixative is now sold with an IMPROVED CAP - - -

Anzora—the first and finest of all hair fixatives—has been still further improved by a new screw cap that supersedes the old-fashioned cork. This improvement will be followed by a steady increase in sales—that's why you should never "run short" of Anzora. See to your stocks now—you don't want to miss the generous profit Anzora brings you!

Trade Terms.

doz.	Retails at
8/-	1/- each
12/-	1/6 ,,
20/-	2/6 ,,

ANZORA
CREAM & VIOLA
BOTH MASTER THE HAIR

Anzora Perfumery Co., Ltd.
Willesden Lane
London, N.W.6

IT'S BRITISH
THROUGH & THROUGH
British, and the best

Protect your trade by protecting the customer. Sell Nuctone exclusively for recolouring of hair.

Keep British money in the Country

Nuctone
SAFE FOR GREY HAIR

TAYLOR'S CIMOLITE TOILET POWDER
THE PERFECT POWDER FOR NURSERY USE

A perfectly bland and non-irritating Powder. Invaluable in all cases of Excoriations, Chafing, Roughness of the Skin, etc. Recommended by eminent skin doctors and recognised as the leading Toilet Powder for over 70 years by the nursing profession. Used in the Royal Households.

In deference to the many requests received from users of "CIMOLITE," a sprinkler tin to retail at 1/1½ is now available. This new packing is in addition to the familiar 1/1½ packet which is still on the market.

When ordering please specify TINS or PACKETS.

"CIMOLITE," in all sizes, also CIMOLITE SOAP AND CREAM, is stocked by all Wholesale Chemists and Druggists.

TERMS and ILLUSTRATED PRICE LISTS, also ATTRACTIVE SHOWCARDS, Counter Bills and other selling literature, obtainable from

JOHN TAYLOR, 30 Baker Street, Portman Square, LONDON, W.1.

BIG PROFITS FOR CHEMISTS ! . . .

Lashtone

Write to-day for full details and terms of Britain's only scientific Lash Tonic.

Telephone: REGENT 3687.

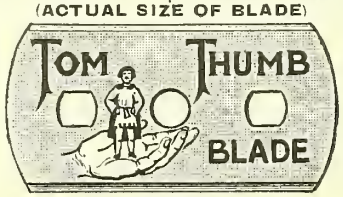
BRYDGES (LONDON) LTD., Imperial House, Regent St., London, W.1

Hobson's Choice
FEET PLAISTERS POWDERS

From the usual Wholesalers or direct—
HOBSON, TRIMBLE & CO. LTD.
11 Union St., LEEDS.

ENGLAND'S LAST WORD
IN SAFETY RAZOR BLADES
THE GREAT "TOM THUMB"
(ACTUAL SIZE OF BLADE)

Retails at **1d.** each

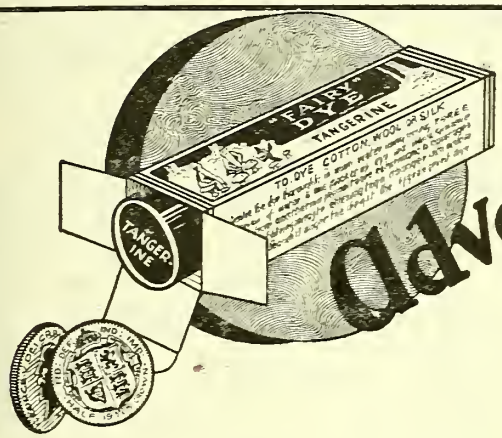


Retails at **1d.** each

MADE BY
Brooks, Haywood & Co. Ltd., Shiloh Works, Sheffield

Order through usual wholesaler or direct from
SOUPLEX LTD., Morecambe

BIGGER PROFITS
WHEN YOU SELL
SOUPLEX
6 for 1/-
92% Profit



Advertised goods yield quick Profits

FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

Retailed at 2d. per tube—attractively packed. 31 shades and colours.

Be wise—stock

LONDON DEPOT: 292 UPPER ST., ISLINGTON - N.1

Fairy Dyes

FAIRY DYES., LTD., GLASGOW, N.W.

MATTE RÉAL

THE TONIC TEA

USEFUL IN RHEUMATISM

¼lb.	½lb.	1 lb. packets
1/6	2/9	5/- each

TRADE DISCOUNT 33⅓%

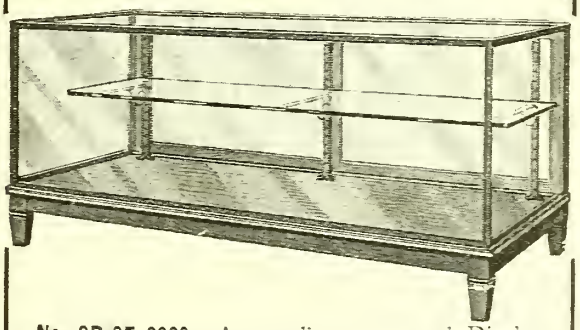
Write to us for Reduced Prices for quantity

SPECIALLY APPOINTED AGENTS

"NEWBERYS"
(F. NEWBERY & SONS Ltd)
CHARTERHOUSE SQUARE
LONDON, E.C.1

CARDIFF TREDEGAR HOUSE — LIVERPOOL COLLEGE LANE

GLASS COUNTERS BRING MORE TRADE



No. CD SF 2920. A soundly constructed Display and Serving Counter made in our own works at Holloway Road—6 ft. × 3 ft. × 2 ft. oak or mahogany framing, glazed new ¼" drawn plate glass top, front, and ends. Clear glass sliding doors at back. Interior fitted 1 row of shelves 12" wide, brown bronze bars and brackets.

DEFERRED TERMS.
An initial payment of £8 10 secures this counter, and 11 further equal monthly payments of the same amount make it your own complete property.

£10-15-0
Cash Price. Ex. Works.

Send for our New List No. C.D.1260.

DUDLEY & COMPANY, LIMITED
451 HOLLOWAY ROAD, LONDON, N.7
City Showrooms: 65-66 FORE STREET, E.C.

Best sellers

The public is asking for ZEAL CLINICAL THERMOMETERS because they are:-

GUARANTEED TO STAY ACCURATE

CONSISTENTLY ADVERTISED

We are giving the Chemist publicity!

In March we are starting a scheme to advertise the Chemist and to increase the sale of "Sol-Vo" Toilet Paper. Wherever Chemists have stocked and displayed "Sol-Vo" they have made ready sales, because it sells on quality, and quantity for the price.

Keep a look out for the particulars of our special bonus offer available in March, and be ready to meet the demand.

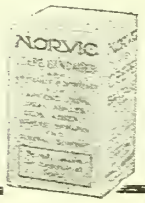
FORD, SHAPLAND & CO. Ltd.
Specialists in Chemists' Printing 90 Years,
GT. TURNSTILE, HIGH HOLBORN, W.C.1

BONUS TERMS IN MARCH.

SOL-VO

Let Customers see that you stock

NORVIC Reg'd
BLUE CARTON
CRÊPE BANDAGES
Entirely British Made



Stocked by leading wholesalers
Sole Manufacturers:
Grout & Co., Ltd., 35 Wood St., E.C.2

"SURCO"
RELIABLE
ELASTIC HOSIERY
SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

Write for Catalogue.

SURGICAL HOSIERY CO., LTD.
Russell Street :: NOTTINGHAM
Telephone No.: 75903 Telegrams: Surgical, Nottm.

SANITARY TOWELS

made by

The ORIGINAL and Most Popular
The "K." All wool in knitted cover, very soft.
The "CELTEX." Made of Cellulose for easy disposal.
FROM YOUR WHOLESALE HOUSE, PLEASE

SOUTHALLS

A New Machine

THE "MANESTY" COMPACT PRESS

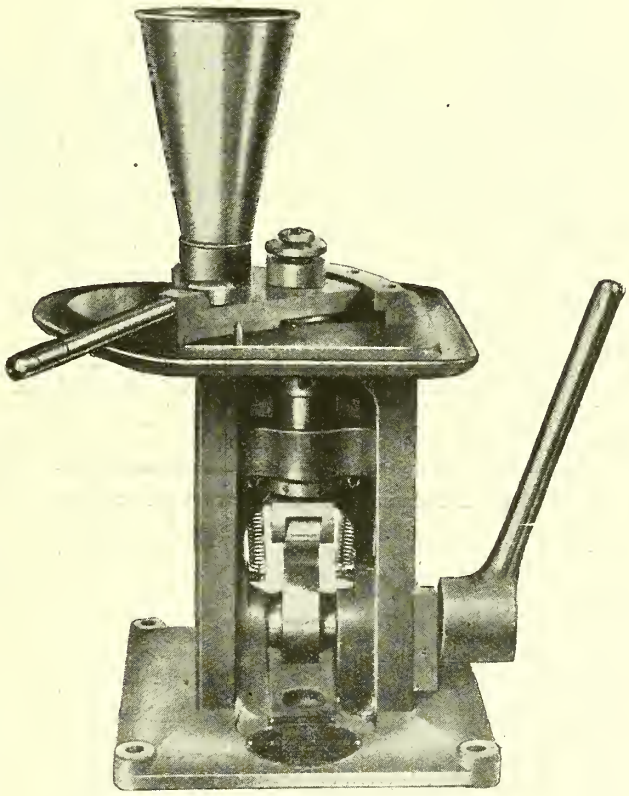
FOR SOLID FACE POWDER

COMPACT FACE POWDERS hitherto have necessitated the installation of expensive hydraulic and rotary machines having a very large output. To meet the repeated requests that we have had for an inexpensive machine with a moderate output, we have brought out the

"MANESTY" COMPACT PRESS

This Press is worked by hand, and 30 Compacts per minute can easily be made on it.

On receipt of a postcard we will gladly send you full details, and will submit sample Compacts (made from your own face powder or from ours).

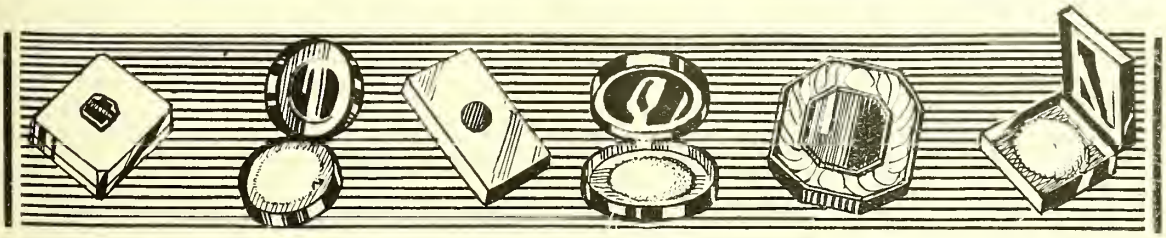


THE "MANESTY" COMPACT PRESS
(British made)

THOMPSON & CAPPER WHOLESALE LTD.

MANESTY BUILDINGS, 5 COLLEGE LANE

Telephone: Royal 2060. **LIVERPOOL** *Telegrams: "Sanitas, Liverpool."*



REVELATION IN STORAGE OF EGGS

WONDERFULLY SIMPLE AND EFFICIENT

OTEG

EGG PRESERVATIVE

(Seals every pore)

STORE EGGS DRY IN BOX AT HOME FOR TEN MONTHS, FOR BOILING & ALL PURPOSES

Consider **Oteg** before stocking others. Users demand it, it's so efficient & convenient. Sealed all the time, in store, transit, or shipment.
No trouble, no preparation, no pails of chemicals. Quart of **Oteg** seals over 1,000 eggs. **DIP** eggs into thin liquid, with wire tongs provided. **DRY** for half an hour, **STORE** in box.

Sealed tins with dipper for 250 eggs **2/8** ; 500 **4/9** ; 1,000 **7/9**

Cartons containing sealed tin, wire tongs, booklet.

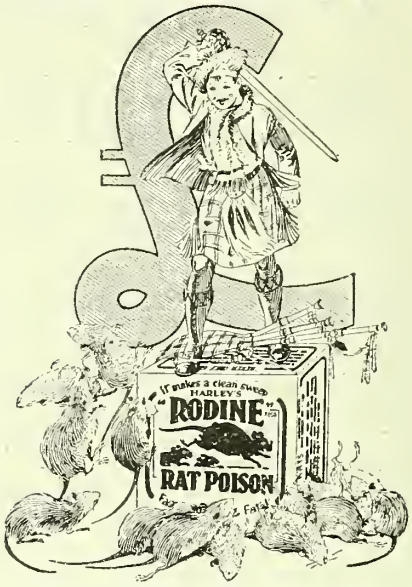
GENEROUS TRADE TERMS—EASY SALES
GOOD PROFIT—FORCEFUL ADVERTISING

Stocks sealed and Good For Two Seasons
ATTRACTIVE ADVERTISING MATTER

SOZOL (1924) LIMITED
20 COPTHALL AVENUE, LONDON, E.C.2

— Thousands of tins sold last season —
HUNDREDS OF THOUSANDS FOR 1932

The Piper of Perth can defend the £



Seventy millions is the price
We pay for keeping Rats and Mice.
Think what a saving it would mean
To feed them all once with Rodine.

Get Rodine on best Terms from the Sole Maker :—

T. HARLEY, M.P.S., *Manufacturing Chemist,*
Rodine Works, PERTH, Scotland.

The **CLAROCIT SALES CAMPAIGN**

"Clarocit your glasses and See" is the slogan of the new advertising campaign. A boon to all who wear eyeglasses and spectacles.

ATTRACTIVE BAKELITE DISPLAY STANDS, COUNTER CARDS AND INTERESTING SALES LITERATURE SUPPLIED FREE ON REQUEST

THE CLAROCIT CO., LTD.
110 Great Portland Street, LONDON, W.1

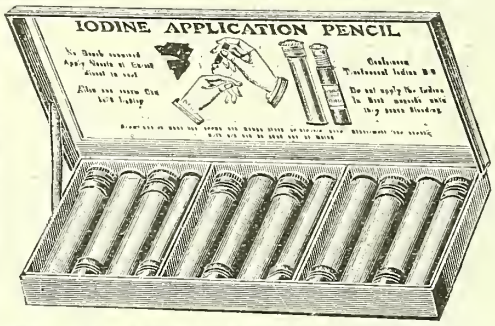
NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK



THE ORIGINAL IODINE PENCIL is NOW REDUCED TO:

In Aluminium Case	3/9 dozen
In Nickelled Case	4/3 dozen

Liberal Discount to Wholesalers.

M. J. FECHER LTD. **"Cuckoo House," 10 Dod St., London, E.18**

Do You Know That There Are Over 3,000,000 DOGS in England, Scotland and Wales?

—And Many More Cats?

Get this Big Trade By Stocking

—and that their vast number of Owners are appealed to week after week by large compelling advertisements for SHERLEY Products in both the National and Canine Press. Prices are protected and good profits are ensured. All goods are supplied on terms which eliminate all risk of loss.

SHERLEY'S

DOG & CAT MEDICINES

QUANTITY TERMS
—are available for SHERLEY'S Tonic & Condition Powders and Worm Remedies—now packed on attractive Display Cards. Also for £2 Assorted Parcels.

Full Literature and Sales-Compelling Show Cards are available. Send a Postcard for particulars to:—
A. F. Sherley & Co., Ltd.
18 Marshalsea Road,
LONDON . . . . . S.E.1.

LACTOL AND LACTOL BISCUITS

Why CATALINE Pays to Stock

BECAUSE it enjoys the largest sale of any Cattle Medicine Preparation and is on the **P.A.T.A.**

BECAUSE it is consistently advertised and all advertisements refer to the Chemist as the source of supply.

BECAUSE it is well packed, does what it is advertised to do; and shows the trade a satisfactory profit.

BECAUSE we do not employ travellers to call on Farmers or solicit orders at cattle fairs or markets.

One size, retailed at face value, viz.: 3/9 per bott.

Cash with order terms.

1 doz. 36/-, 3 doz. at 35/6, 6 doz. at 35/-, 12 doz. at 34/6 per doz.
CARR. PAID. CASES FREE.

Stocked by most Wholesale Houses.

THE CATALINE CO., LTD., Bristol

WATER GLASS

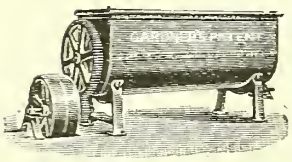
WE PACK FOR THE CHEMIST TRADE AND CAN OFFER

BEST VALUE SAFE PACKAGES AND ATTRACTIVE STYLE

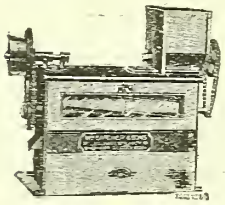
Write for Quotations to the Pioneers and largest Packers

TOMLINSON & HAYWARD Ltd
51 Newland
LINCOLN

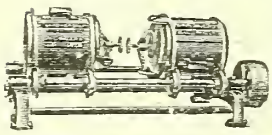
GRINDING SIFTING MIXING



Patent "Rapid" Mixer.



Patent "Rapid" Sifter.



Gardner Ball Crushing Mill.

for Chemical purposes must be rapid, superfine, of laboratory accuracy, and absolutely consistent.

Gardner machines perform all these operations in the most efficient way.

They are economical and efficient; a high standard is maintained in the quality and quantity of their output.

Details and Catalogue of all Gardner plants from

WM. GARDNER & SONS (Gloucester) LTD.

BRISTOL ROAD, GLOUCESTER

Telephone: 2288 (2 lines).
Telegrams: "Gardner, Gloucester."
London Office: 19 Gray's Inn Chmbrs. 20 High Holborn, W.C.1.
Telephone: Chancery 7847.

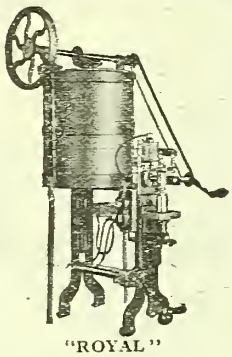
Roberts' Original Patent

BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From £5 5s. Hand-Operated Machines. From 36/-

Soundly constructed, simple in action, easy to clean.

NEW PATENT SHALLOW TIN FILLING MACHINES



"ROYAL"

Automatic CAN FILLING MACHINES, MIXING MACHINES, CORKING MACHINES.

NEW PATENT ACCESSORIES TO "NELSON," "VICTOR" and "NAVY" BOTTLE FILLING MACHINES enable them to be used as Vacuum Fillers, Gravity Fillers or Pressure Fillers at will.

WRITE TO-DAY TO

ROBERTS' PATENT FILLING MACHINE CO.

33 Roundcroft Street, BOLTON, LANCS.

All rights reserved.

Small

TABLET MACHINE

Capacity 60 to 80 Tablets per minute

Working on "rack and pinion" principle.

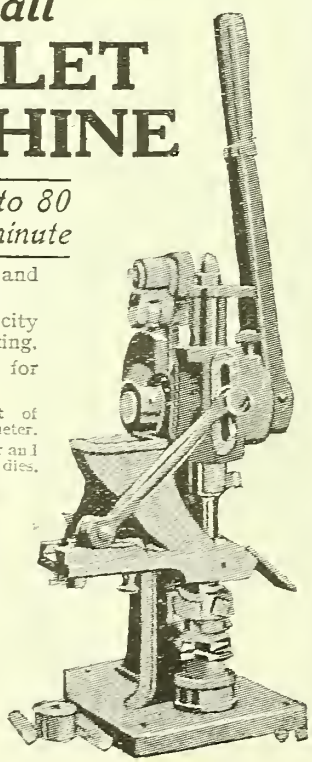
Absolute simplicity and smooth working.

Adjustable screw for pressure.

Any size or weight of Tablet up to ½ in. diameter.

Complete with spanner and one set of punches and dies.

£7 : 15 : 0



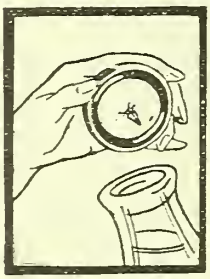
J. W. PINDAR & CO.

Druggist's Engineers. Pill Machine Manufacturers.

Endwell Road, Brockley, London, S.E.4.

"PRESTOP"

Milk COVER & Cardboard disc REMOVER



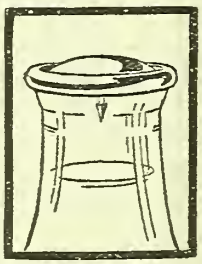
6d.

FITS ALL SIZES.

Manufacturers:

T. WEBSTER & CO., LTD.

Diamine House, Middle Lane, Hornsey, London, N.8



WE SUPPLY

DECORATED TINS

FOR PACKING

OINTMENTS

AND OTHER PRODUCTS.

SAMPLES AND PRICES UPON REQUEST.

THE CALDICOT TIN STAMPING WORKS LTD.

CALDICOT, Nr. CHEPSTOW, Mon.

AT YOUR SERVICE FOR ANOTHER BUMPER YEAR

SELO has served two years right in the front rank of fast-selling lines. With a largely extended campaign of advertising the third will prove a bigger success than ever.

Join in and share the victory.

SELO
The fast FILM
BRITISH MADE

New Showcards and window display pieces now ready.

Distributed by
ILFORD, LIMITED
ILFORD, LONDON

Paraffinum Liquidum B.P.

ALL GRADES
SAMPLES & PRICES

On application to —

STERNS LTD

16 Finsbury Square London E.C.2

WHOLESALE ONLY

EASILY THE FIRST FAVOURITE WITH DANCERS

1/3 tins - 10/- doz.
2/6 „ - 20/- „

Also supplied in Bags, economical for large "Dance" Floors.

7-lb. Bags 4/- each. Retail @ 6/-
14-lb. „ 8/- each. Retail @ 12/-
28-lb. „ 15/- each. Retail @ 22/6

P.A.T.A.

LOFTHOUSE & SALTMER, Ltd., HULL

"KEST" BRAND COMPOUND EPSOM SALTS TABLETS *have made a* HIT!

It is no exaggeration to say that the success of "Kest" has been not only instantaneous but phenomenal. From the Trade comes an ever-increasing flow of requests for further supplies.

The reason is not far to seek. "Kest" meets a definite demand. "Kest" provides the public with the benefits of a popular and trusted medicine in a much more acceptable and convenient form, pleasant to take and absolutely tasteless.

OVER 7,000,000 PEOPLE ARE SEEING "KEST" ADVERTISING

for "Kest" announcements are appearing regularly in the following "big-circulation" dailies: *Daily Mail, Daily Express, Daily Herald, News-Chronicle, Daily Mirror.*

"Kest" in its standard size is packed in counter display cases of striking design, containing one dozen bottles and retailing at 6d. and 1/-.

NEW 3d. and 2/6 SIZES ARE NOW READY

The 3d. size in 3 dozs. and the 2/6 size being packed in quarter-dozen display cases.

Trade Terms

3d. size, in cartons 2/3 per doz. tubes.
6d. size, in cartons 4/- per doz. bottles.
1/- size, in cartons 8/- per doz. bottles.
2/6 size, in cartons 20/- per doz. bottles.
1 gross 6d. size or equivalent, less 10 per cent.
3 gross 6d. size or equivalent, less 12½ per cent.
5 gross 6d. size or equivalent, less 15 per cent.

Carriage paid 6 dozen.

Special Introductory Offer

To Messrs. FASSETT & JOHNSON, Ltd.,
86 Clerkenwell Rd., E.C.1

Please supply
.... doz. 3d. size "Kest."
Please supply
.... doz. 6d. size "Kest."
Please supply
.... doz. 1/- size "Kest."
Please supply
.... doz. 2/6 size "Kest."

6 doz. at the rate of 4/- per doz. bottles less 12½ per cent.

Signed .....

Address .....

.....

The "Kest" way is the Best way to Brighter Business

2428

USE

MAZDA LAMPS

and see things in the right light

B T-H

MADE IN ENGLAND WITH BRITISH MATERIALS

REDUCED PRICES

As a result of the import duty on Electric Lamps we expect an increased demand for MAZDA Lamps.

INCREASED OUTPUT MEANS LOWER COSTS

We have decided to anticipate and to reduce prices forthwith.

NEW PRICES—EFFECTIVE MARCH 1st, 1932
100-130, 200-260 VOLTS.

WATTS	PEARL	CLEAR
25, 40, 60	1/9	1/11
100	2/6	3/-

Sold by All Electrical Contractors, Ironmongers and Stores.

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LONDON COLLEGE OF PHARMACY

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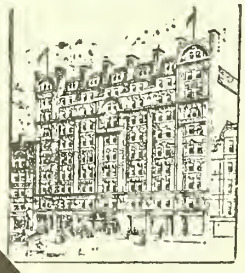

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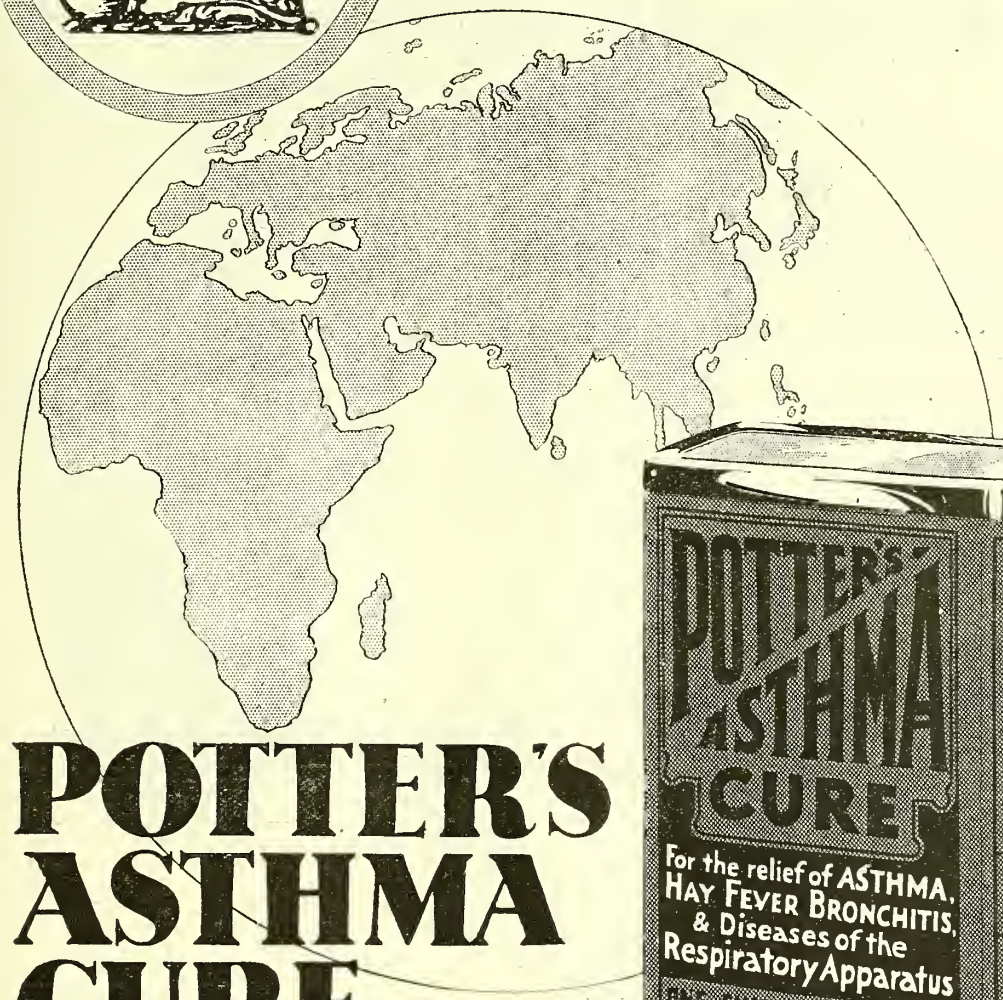

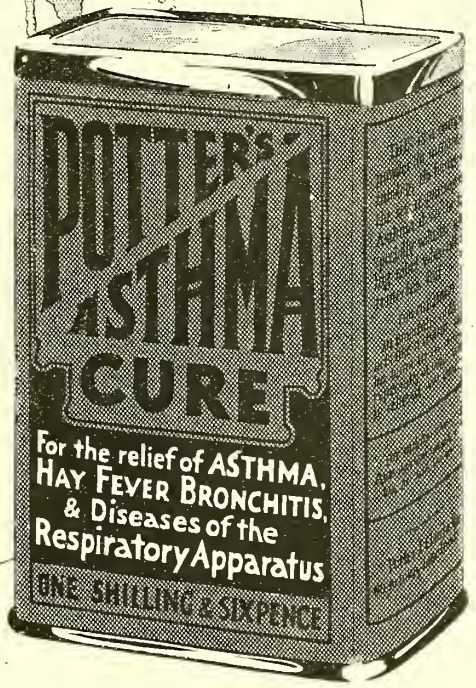

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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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News of the Week

British Industries Fair

The recent fiscal changes and the general business drive have reacted on the British Industries Fair to such an extent that in the first week double last year's business is said to have been done at Olympia and over £2,000,000 worth of orders were taken at the White City. Certainly there is evidence of a more earnest seeking after sales than in previous years, although foreign visitors still complain that at various stands which they visited there was no one to give them either information or attention. Visitors from Denmark appear to predominate, but there are likewise many keen buyers from France, Germany, Holland, Sweden, Norway, Finland, Belgium, Chili, Peru, India, Canada and Australia. A considerable proportion of these are interested in drugs, chemicals, medicinal proprietaries, surgical dressings, perfumery, toilet specialities and druggists' sundries. During the first few days of the Fair callers at THE CHEMIST AND DRUGGIST stand included a regular subscriber from Copenhagen, another from Vejle, and a third from Dordrecht, while others came from The Hague, Lisbon, Belfast, Dublin, Glasgow, and from all parts of England and Wales. The chemical, perfumery and druggists' sundries sections are very attractive, and the Cussons' pavilion has been visited by her Majesty the Queen, who spent a considerable time there one day. This pavilion is so large and varied that a photograph could not do it justice, so we had to content ourselves with reproducing in last week's issue one of the main panels. The Queen was also attracted by an effective fan-like display of Arridge, Langmead & Co., and by the displays of several other firms in the same part of the Fair.

Inquests

In recording a verdict of "Suicide while temporarily not of sound mind" at a recent inquest at Weston-super-Mare, on the body of Miss M. O. Travers, who had died from drinking a disinfectant, the coroner remarked: "What is the use of having regulations which make you sign for certain poisons when you purchase them if you can buy a deadly drug like this at the grocer's?"

An inquest was held at Wendover, recently, on the body of Mr. Martin W. Craig, a local hotel resident described as of independent means. Mr. H. R. Thurgar, chemist and druggist, Wendover, said he had known the deceased for about three months. The first time he went into his shop he asked for paraldehyde, saying that he had a doctor's prescription, although he did not produce it. Witness had none in stock then, but supplied it later. There were no restrictions on the sale of paraldehyde. The deceased had purchased it since then, every three or four days, in 2-oz. bottles. Medical evidence, based on a *post-mortem* examination, showed that death was due to one large dose of paraldehyde or to doses taken too frequently. A verdict of "Death by misadventure" was given.

Birmingham

"Chemistry and Crime" was the subject of a lecture delivered to members of the local section of the Institute of Chemistry by Mr. Henry T. F. Rhodes, on February 26.

The students of the pharmacy department of the Leicester College of Technology, paid a visit to the Bournville Works of Cadbury Brothers, Ltd., on February 24. Particular interest was shown in the laboratories (which they were permitted to go through) and warehouses, especially the cocoa bean storage room. The expression of oil of theobroma was very interesting, and the removal of the oil from the seeds and subsequent reincorporation in definite quantity constitute one of the open secrets of good chocolate making. The students were entertained to tea, and each was given a substantial souvenir before returning.

C C

Sheffield

Among the victims of the influenza epidemic is Mr. Ernest Preston, Ph.C.

Mr. L. H. Siddall, who has been appointed clerk to the local Insurance Committee, has been deputy-clerk since the commencement of that office.

The Sheffield Pharmaceutical Committee is being asked to make new arrangements for the supply of oxygen at all times, and to offer suggestions as to the fees which might be paid for additional services rendered in this connection.—Chemists' accounts for the past month amounted to £2,216.

Manchester

As we go to press we learn with regret of the death of Mr. John Wild, chemist and druggist, late of 307 Oxford Road.

A whist drive organised in connection with the Pharmacy Club took place on February 24 at Bowdin's Café. On this occasion it was decided to try, as a change, military whist. After the company had become acquainted with the intricacies of the game all went along merrily until a halt was called for refreshments. The efficient M.C., Mr. A. E. Thorpe, announced the result, the table having the greatest number of flags proving to be that occupied by Mr. and Mrs. Edwards, Mrs. Parry and Mr. Cleworth. These ladies and gentlemen were awarded the prizes presented by Mr. D. Dickson, Mr. Cleworth, Mr. and Mrs. Walters and Mr. David Lewis. A cordial vote of thanks was accorded to the donors of the prizes.

At the successful dance on February 17 at the Piccadilly Cinema Dance Salon, Mr. Barker, chairman of the Junior Section of the Manchester, Salford and District Branch of the Pharmaceutical Society, made a presentation of a gold wristlet watch to Mr. R. B. Maskell in appreciation of his services as secretary during the first three years of its existence. Mr. Barker said they could claim that the Junior Section had done some good work, and their indefatigable secretary had been greatly responsible for their success. Mr. Barker wished Mr. Maskell every happiness, and hoped that his term of office would be prolonged. Mr. Maskell, in reply, said that this was one of the greatest surprises of his life. He would treasure the gift, and thanked them heartily for it and for the kind words of appreciation.

Miscellaneous

BURGLARY.—The premises of Sturton & Sons, Ltd., chemists, Peterborough, were broken into recently, and a sum of money was stolen.

POISON-LICENCE APPLICATIONS.—Mr. H. A. Tipping, nurseryman, Harrow Weald, has applied to the Middlesex County Council for a licence under Section 2 of the Pharmacy and Poisons Act, 1908.—A similar application has been made to the Birmingham City Council by Mr. F. W. Lees, seed merchant, Stirchley.

SPORTING EVENTS.—At Cannon Park, Edgware, recently, a friendly football match between B.D.H. juniors and the British Medical Association juniors resulted in the B.D.H. winning by 5 goals to nil. At Fairlop, in the London Business Houses League, the match between B.D.H. and Allens United resulted in the latter gaining a victory by 2 goals to 1.

WINE LICENCE APPLICATIONS.—At Durham adjourned Brewster Sessions, on February 24, Mr. H. Bulman, chemist and druggist, Langley Moor, and Mr. A. Hall, chemist and druggist, Ferry Hill, were granted wine off-licences on condition that they gave prominence to Empire wines.—Applications for similar licences made in their respective localities by Mr. K. N. Leonarde, chemist and druggist, Willenhall (for premises at Great Barr); and Pendleton Co-operative Society (for their drug department) were refused.

IN THE COURTS.—At Bolton, on February 24, a sentence of nine months imprisonment was passed on Robert Edward Robinson, Kent Street, Bolton, for obtaining money by false pretences. It was stated that accused called on houses selling a "cure" for rheumatism, etc. He described it as "dog" oil, and said he froze the oil so that he could carry it about better. The "dog" oil was found to be nothing but ordinary beef or mutton dripping. It was stated that the commercial value of dog oil was 1s. per ounce.—In Lambeth County Court, London, on February 29, Dorothy W. Street (15), hairdresser's assistant, suing through her father as next friend, claimed damages under the Workmen's Compensation Act against George West, hairdresser, Old Kent Road. The applicant stated that she had suffered from dermatitis, contracted from dust or liquids. Dr. Schofield, of Guy's Hospital, said he found the girl suffering from dermatitis, and when he last saw her, on February 15, she still suffered from the disease. Dr. Harold Barber, physician in charge of the skin department of Guy's Hospital, gave evidence for the respondent. Judge McLeary came to the conclusion that the applicant was suffering from dermatitis acquired from her occupation, and awarded her 12s. 4½d. a week from August 10, and to continue, credit to be given for £4 already received.—At West Ham Police Court, on March 2, Frederick W. H. Pyne (19), chemist's assistant, Shoebury Road, East Ham, was charged with attempting to steal by means of a trick four bottles of Phyllosan from Mr. C. Andrews Pratt, chemist and druggist, West Ham Lane, Stratford, by presenting a card on which was a fictitious name. The magistrate bound over the accused for two years, with a condition that he was not to go to theatres or cinemas.

Irish Notes

Brevities

Mr. R. G. McKinstry, L.P.S.I., has opened a medical hall at Market Street, Thomastown, co. Kilkenny.

Dr. G. W. Connor, brother of Mr. J. E. Connor (president of the Pharmaceutical Society of Northern Ireland), has been appointed an external examiner in dental surgery in Queen's University, Belfast.

At New Ross District Court, recently, William Cohen, Clongeen, sued Anastasia Furlong and Polly Roche, Ballycullane, in respect of the detention of eight bottles of embrocation held by them, valued by him at £8. A claim by Henry Furlong against the plaintiff for £1 5s. for the use of rooms and hire of a car was heard at the same time. Cohen stated in evidence that the embrocation was made from seaweed with a secret preparation of his own. Cross-examined: He was not a doctor, but knew as much as a dozen of them. He gave the names of persons who had paid £1 each for a bottle of the embrocation. One bottle did not cure; a patient must have at least three bottles. Witness had been thirty-five years in Ireland. After hearing further evidence, the justice gave a decree for the plaintiff for £4 (the decree not to issue if the bottles were returned), and for Henry Furlong for £1 1s. The bottles were handed to the plaintiff.

Belfast

The Public Health Committee of Belfast Corporation has accepted the tenders of Fred Storey, Ltd., and John Clarke & Co. (Successors), Ltd., for the supply of medicines, drugs and appliances for the ensuing year.

At Belfast Summons Court, recently, Samuel Gibson & Co., Ltd., chemists, King Street, were fined 2s. 6d., with costs, for failing to exhibit a notice bearing the names of assistants and the days of their half-holidays.

At Belfast Assizes, on February 24, Edward Turley was charged with obtaining £1 12s. from Mr. James Henderson, chemist, Belfast, by means of a forged cheque. Turley was sent to prison for six months.

The annual meeting of the Ulster Rexall Club was held in Belfast on February 24, Mr. W. J. Hardy in the chair; Mr. M. L. Daniels, Mr. H. B. Holthouse and Mr. W. F. Ellis (United Drug Co., Ltd.) were present. Mr. J. Adams was elected president for the ensuing year, and Mr. J. A. McRoberts was re-elected secretary and treasurer. Mr. Daniels and Mr. Holthouse briefly addressed the Club, after which the meeting was thrown open for discussion. An enjoyable social was held later.

Scottish Notes

Brevities

The Magistrates' Committee of Glasgow Corporation has agreed to offer the freedom of the city to Sir James George Frazer, O.M., F.R.S.

The pharmacy of Mr. E. Gordon, chemist and druggist, 17 Calder Road, Mossend, Lanarkshire, was broken into recently; money and goods were stolen.

At a recent meeting of Ayr County Council the chief inspector of weights and measures stated that all the chemists' dispensing balances had been tested. Out of fifty-three, eighteen were found to be incorrect; out of 1,145 weights 441 were incorrect; while fourteen out of 449 glass measures were inaccurate.

A correspondent writes:—"There is a growing desire amongst Scottish chemists that the N.H.I. testing scheme should be abolished. Its existence has not achieved anything but pettifogging annoyance to chemists, and it is not calculated to improve the pharmaceutical service, since it is admitted that this service is excellent. Even on the point of economy the scheme does not justify its existence, as it involves very considerable expenditure."

Coming Events

Tuesday, March 8

Birmingham Pharmaceutical Association, Imperial Hotel, at 8.30 p.m. Mr. A. T. Hall, Ph.C., on "The Lofoten Cod Fishery" (lantern lecture).

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 8.30 p.m. Fifth evening meeting of the session. Mr. Frank Wokes, B.Sc., Ph.C., F.I.C., on "The Importance of Ergot in Pharmacy."

Wednesday, March 9

Liverpool Chemists' Association and Liverpool and District Branch of the Pharmaceutical Society, Adelphi Hotel. Annual dinner. Reception 7 p.m. for 7.15 p.m. Dancing till 2 a.m. Tickets 12s. 6d. each.

Thursday, March 10

London Chemists' Golfing Society, Wharncliffe Rooms, Great Central Hotel. Annual dinner and dance. Reception 6.30 p.m. Tickets 12s. 6d. each, from the secretary, Mr. W. E. Cane, 10 Gloucester Road, London, S.W.7.

Friday, March 11

Edinburgh Chemists', Assistants' and Apprentices' Association, 36 York Place, at 8 p.m. Mr. Archibald Currie, Ph.C., on "Prescribing, Old and New," and Mr. Eric Knott, Ph.C., on "Notes and Queries."

Topical Reflections

By Xrayser

Your Enterprise

never ceases to amaze me, long as I have been acquainted with the *C. & D.*, and familiar as I am with the up-to-dateness of its methods for keeping us abreast of the times. The latest example of this, and the reason for my introductory remark, is your illustrated report of the London section of this year's British Industries Fair. This remarkable show was only opened on February 22, yet four days later we received the paper with a fully detailed account of all the exhibits of pharmaceutical interest, accompanied by illustrations of superb type. The wonder to me is that the time available allowed of illustrations being got ready in any case, but those actually presented will compare favourably with any that could be produced with a superabundance of time in hand. If the enterprise of the exhibitors approaches that of the *C. & D.*, the benefit to British industry ought to be most pronounced. I have reason to believe, however, that many British concerns which regard themselves as up to date are not yet quite so quick in the uptake as some of their foreign competitors, being comparatively slow to take advantage of opportunities which present themselves for useful advance propaganda work. This ought to be remedied and without any delay.

Pharmaceutical Employees

and those who ought to be included in that category but are at present out of work, are indebted to you for one most pertinent observation in your editorial article on economy (p. 229). I refer to the statement that, not to discharge assistants, but rather to widen their usefulness, is what is required —to find fresh work for them and to train them in the best methods of doing it. It is perhaps natural that employers faced with a falling off in turnover and a reduction in profits should contemplate a compensating saving in outgoings by getting rid of assistants, even though this may involve a measure of inconvenience by having to do some of the assistants' work themselves. True economy would rather dictate encouragement of the assistants to fresh efforts to justify their continued employment, and the devotion by employers of serious thought to the problem how they can use their surplus time to better advantage than by doing the work of subordinates.

Whenever the Progress

of a business slackens, even though temporarily only, some profitable outlet ought to be found for the activities of everyone engaged in that pharmacy. You question the wisdom of the chemist occupying his so-called "spare" time in doing work that could more profitably be left to unskilled hands, and I am quite in accord with your view of the matter. My advice to chemists who may be anticipating a lean time is to keep all their employees fully occupied with profitable work, the planning of which may necessitate hard thinking by the employer, and to keep on thinking and planning in the hope of being able to increase the staff and so help to relieve the present congestion in the pharmaceutical labour market.

"A Strenuous Calling!"

Of pharmacy such an assertion is emphatically true, and many of your readers will fervently endorse this remark, which is the core of your timely leading article on "Economy." Yet all the other points noted by you as being of first-rate importance in the matter of running a business profitably are worthy of the closest attention. But the general attitude of the proprietor affects his assistants and his customers equally, and they respond unconsciously to the demands he makes upon himself equally with them. A simple example—it is perhaps a trivial one—will illustrate this. Within the last few days a professional man who was suffering from a husky throat took from his pocket a box of lozenges and made to me the comment that he had just got these from his pharmacist. He wondered whether I did not think it strange that the said pharmacist, who had procured them for him, could not tell him how much he was to pay for them because the wholesale firm had not sent an invoice. His views on the business methods of the wholesalers and on the chemist who did business with people who were so lax were not pleasant hearing. Your observations upon the economical use of time are very pertinent, and may be usefully extended in the way of warning not a few of the craft to reduce the time allotted to hobbies and games, and devote the few hours so saved to a proper reading of their professional journals, where they will find excellent matter for the improvement of their business affairs.

Westminster Wisdom

Notes on Parliamentary Matters

VINEGAR

Mr. Glossop asked the Minister of Health on February 25 whether he will consider the advisability of amending the Food and Drugs Act in such a way that bottles of vinegar and pickles shall be labelled so as to state whether they contain malt vinegar or imitation vinegar.

Sir H. Young: I have taken note of this suggestion in connection with others relating to the composition and labelling of articles of food, but I could not undertake to introduce legislation on the subject at the present time.

Mr. Glossop: Will the right hon. gentleman consider the protection of the consuming public, in view of the fact that malt vinegar has definite valuable phosphates therein, whereas acetic acid, or imitation vinegar, is produced from wood or from substances having a mineral basis.

Gazette

Partnership Dissolved

DIXON, W. B., and SIMISTER, W., 19 Firth Street, Oldham, manufacturing chemists under the style of Yellow Boy Manufacturing Co.

Business Changes

KEMP & ELMITT, chemists, Lincoln, have removed their business from High Street to 9 Mint Street.

MR. J. B. H. SMITH, chemist and druggist, has opened a pharmacy at Dukes Road, Burnside, Glasgow.

MR. S. T. JAMES, chemist and druggist, has opened a pharmacy at 420 Hoe Street, Walthamstow, London, E.17.

MR. H. G. FREEMAN, chemist and druggist, will open the Citadel Pharmacy, 7 Citadel Parade, Edgware, early in March.

MR. H. SPENCE CULBERT, chemist and druggist, has acquired the business of J. & W. McCallum, chemists, 151 High Street, Dumfries.

SAVORY & MOORE, LTD., chemists, have acquired the business of Prichard & Constance (Haymarket), Ltd., chemists, 23 Haymarket, London, S.W.1.

MR. T. WILSON, chemist and druggist, has taken over the pharmacy of Mr. J. R. James, chemist and druggist, 256 King Street, Hammersmith, London, W.6.

D. L. EVANS & CO., LTD., chemists, 32 Harrington Road, South Kensington, S.W.7, have opened a branch at 1 Lower John Street, Piccadilly, London, W.1.

AKHURST & SON, chemists, Southbourne Grove, have purchased the business of Mr. F. E. Harrison, 772 Christchurch Road, Bournemouth, and are continuing it as a branch.

UNITED STATES PHARMACOPŒIA.—An abstract of proceeding of the United States Pharmacopœial Convention, 1930, has been published by the Board of Trustees in Washington.

CINCHONA CULTIVATION IN THE EAST.—The Kew "Bulletin of Miscellaneous Information," No. 1, 1932, contains a lengthy article by J. H. Holland dealing, under the title "Ledger Bark and Red Bark," with the introduction of *Cinchona Calisaya* var. *Ledgeriana* to the East and the importance of this species, together with *C. succirubra*, at the present time.

New Companies

and Company News

P.C. means Private Company and R.O. Registered Office.

FERROFLUX, LTD. (P.C.).—Capital £500. Objects: To manufacture, deal in and prepare for market fluxes and chemicals.

ADELPHI RESEARCH LABORATORIES, LTD. (P.C.).—Capital £1,200. Objects: To carry on the business of chemical and medicine manufacturers, etc.

S. SIGAL & CO., LTD. (P.C.)—Capital £500. Objects: To carry on the business of general merchants, shippers, factors, brokers, agents, etc. R.O.: 6 Swan Street, Minories, E.1.

GODKINS, LTD. (P.C.).—Capital £100. Objects; To carry on the business of chemists, druggists, drysalters, oil and colour men, etc. R.O.: 1 High Street, Tunbridge Wells, Kent.

MCKAY ARTIFICIAL LIMB CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in artificial limbs, anatomical, orthopædic and surgical appliances, boot, etc. Solicitors: Kenneth Brown, Baker, Baker, Essex House, Essex Street, Strand, W.C.2.

NATIONAL DRUG INDUSTRIES, LTD. (Public Company).—Capital, £80,000 (39,750 six per cent. participating shares of £1 each; 39,750 ordinary shares of £1 each and 10,000 deferred shares at 1s. each), of which 14,750 six per cent. participating preference shares and 14,750 ordinary shares are to be issued at par. The subscription list will close on or before March 9. Objects: To carry on the business of wholesale druggists and manufacturing chemists and to acquire and centralise the businesses carried on by C. R. Harker, Stagg & Morgan, Ltd., Devon Wharf, Emmott Street, London, E.1., Thos. Hodgkinson, Prestons & King, 262 Bishopsgate, London, E.C.2, and Retail Pharmacists Supply Association, Ltd., Besson Street, London, S.E.14. The directors are Henry Vincent Dodd, F.F.Sc., F.C.S., M.P.S. (chairman), Arthur James Harvie and Arthur James Tibbitt (joint business administrators). R.O.: P. & O. House, 14 and 15 Cockspur Street, London, S.W.1.

SOUTHALL BROTHERS & BARCLAY, LTD.—In the report of the accounts for the year ended December 31, 1931 (*C. & D.*, February 27, p. 212), the bonus on the ordinary share capital should have been given as 1s. 6d. per share, free of income tax, £9,750. The directors propose to distribute, by way of bonus, one ordinary share for every five at present held. For this purpose it is proposed to appropriate the sum of £26,000 from the internal reserve. [Correction.]

Private Arrangements

Francis John Berriman, Stanley Road, Garndiffaith, chemist and druggist.—At the meeting of the creditors a statement of affairs was submitted which showed liabilities of £382 14s. 7d., of which £192 2s. 11d. was due to unsecured creditors and £190 11s. 8d. to a previous owner of the business. There were also fully secured creditors for £120. The assets consisted of stock £80 4s. 2d., valued at £40; fixtures and fittings £20; bottles £10, and good book debts 17s. 2d., making a total of £70 17s. 2d., or a deficiency of £311 17s. 5d. It was reported that on June 7, 1930, the debtor purchased the business for £190 1s. 8d. The conditions of the purchase were that the debtor should pay £50 for the lease, together with the fixtures and goodwill, and a further £250 to cover the stock and utensils. In the absence of any offer it was decided that a deed of assignment should be executed to Mr. L. S. Findlay, of Messrs. Poppleton & Appleby, 35, Windsor Place, Cardiff.

Stock Exchange Prices

£1 Shares unless otherwise stated	Dec. 31, 1931		Jan. 30, 1932		Feb. 29, 1932	
	s.	d.	s.	d.	s.	d.
Allen & Hanburys 7% Prefd. Ord.	20	6	21	0	22	3
Amalg. Dental Co., 8% Prefd. Ord.	16	9	16	9	17	3
„ „ Deferred 5s. ..	2	6	2	7½	3	0
Apollinaris and Johannis, Ord. £1 ..	2	0	2	6	2	6
Ayrton, Saunders & Co., 7½% Pref.	12	6	12	6	12	6
Beechams Pills, Deferred 1s. shares	1	10½	1	10½	1	9
Benger's Food, Ord.	28	6	27	6	30	0
Boake (A.), Roberts & Co., 5% Pref.	15	0	12	6	13	6
Boots Pure Drug Ord.	116	3	120	0	121	3
Boots Pure Drug, 7% "A" Prefd. Ord.	23	9	23	9	23	9
Boots Cash Chemists (S.), 6% "A" Pref.	21	9	21	9	21	9
Borax Consold., Dfd. Ord. ..	7	6	8	3	8	6
Bovril, 6% Pref.	21	3	20	9	20	6
„ Ord.	21	3	22	0	21	9
„ Defd.	33	6	32	0	25	0
British Cyanides, Ord., 2s. shares ..	0	10½	0	10½	0	10½
British Drug Houses, The, Ord. ..	15	0	12	6	13	9
British Oil and Cake Mills, Prefd. Ord.	26	0	28	6	30	9
British Oxygen, Ord.	13	9	12	6	11	3
British Photo. Indus., 6% Cum. Pref.	8	9	7	6	7	6
Bush (W. J.) & Co., 5% Pref. £5 ..	58	9	58	9	58	0
Cadbury Bros., 6% Pref.	22	6	22	9	23	0
Callard, Stewart & Watt, Ord. ..	12	6	12	6	11	3
Crosfield (Joseph) & Sons, 6½% Pref.	20	3	20	3	21	0
Drug Incorporated (no par value) ..	$78		$73½		$75	
Dubarry Perfumery, Ord. 1s. ..	5	0	5	6	6	0
„ „ 7½% Pref. ..	18	9	18	9	19	0
Eastman Kodak Com. (no nom. value)	$118		$115		$111½	
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	2	3	2	3	2	3
„ „ „ 6% cum. part. Pref.	3	3	2	9	2	9
Field (J. C. & J.), Ord.	12	6	12	6	13	0
Galloway (P. H.), Ord. 2s. ..	2	6	2	6	2	6
„ „ 7½% Cum. Pref. ..	19	0	19	0	18	6
Gossage (William), 6½% Pref. ..	20	6	20	6	20	6
Grout & Co., Ord.	17	6	18	6	19	0
Hodders, Ord. 1s.	0	2	0	2	0	2
Idris & Co., "A" Ord.	19	6	19	6	20	0
Ilford, Ltd., Ord.	24	0	23	9	23	9
„ 6% Pref.	18	9	18	3	18	9
Imperial Chemical, 7% Pref. ..	19	6	19	9	20	9
„ „ Ord.	14	3	15	0	15	9
„ „ Defd. 10s. ..	4	3	4	4½	4	6
Intern. Sponge Importers 6% Pref.	6	3	6	3	6	3
Kent (G. B.) & Sons, 5½% Pref. ..	6	3	5	7½	5	0
Knight (John), 25% Prefd. Ord. ..	60	0	62	6	61	3
Laporte (B.) & Co., Ltd., Ord. ..	18	0	17	6	17	6
Lever Bros., Ltd., 7% Pref. ..	20	9	21	9	22	1½
„ „ 8% Pref. ..	20	6	20	9	21	1½
„ „ 20% Prefd. Ord. £1	41	3	42	0	42	0
Lewis & Burrows, Ord.	22	6	22	6	22	6
„ „ 6% Pref. ..	16	6	16	3	17	0
Liebig's Ext. of Meat, Ord. £5 ..	£8		£8		£9¼	
Mellin's Food, 6% Pref.	1	9	2	6	1	6
Nathan (Joseph) & Co., 7% Pref. ..	13	9	12	6	13	0
„ „ „ 8% Prefd. Ord.	5	6	5	7½	6	3
National Drug and Chemical Co. of Canada, 6½% Pref.	1	6	1	3	1	4½
New Transvaal Chemical Co., 6% Pref.	20	6	20	0	20	0
„ „ „ 8% Pref.	23	0	22	6	22	6
Phosferine (Ashton & Parsons) 8% cum. partic. Ord.	7	6	7	3	6	9
Salt Union, Ord.	26	3	23	9	26	3
„ Pref.	26	3	24	0	26	3
Sangers, Ord. 5s.	7	3	7	9	8	0
"Sanitas," The, Co., 9% Pref. ..	21	3	21	3	22	6
Sanitas Trust, 10% partic. Pref. ..	20	6	21	3	21	3
Schweppes, Ltd., Ord.	20	0	20	0	21	0
„ „ Defd.	20	0	20	0	19	0
Smith (Stephen) & Co. Ord. 5s. ..	6	0	7	0	6	9
Solidol Chem. Co., Ord. 1s. ..	0	1½	0	2	0	2
Southall Bros. & Barclay, Ord. ..	107	6	108	9	127	6
„ „ „ 5% Pref.	20	6	20	0	20	0
Spratt's Patent, Ord.	46	3	48	9	51	3
Stevenson & Howell, 6¼% Cum. Pref.	17	0	16	3	16	0
Taylors Cash Chemists (Lon.) 1s. Defd.	0	7	0	6	0	6
Taylors (Cash Chemists) Trust, 7½% Cum. Pref. Ord.	9	9	9	9	9	0
„ „ „ 1s. Defd.	0	7½	0	8¼	0	8¼
United Glass Bottle Man., 6% Mt. Deb. Stk., £100	£100		£100		£101½	
Veno Drug Co., 8% Pref.	12	6	12	6	12	9
Virol, Ltd., Ord.	30	6	30	6	30	0
„ 7% Pref.	20	3	20	6	20	6
White (A. J.), Ltd., Ord. 10s. ..	11	3	10	7½	12	0
White (Timothy), 7½% Prefd. Ord.	16	9	16	6	16	0
„ „ 1s. Defd. Ord...	1	3	1	4½	1	4½
Wright Layman & Umney, 6% Pref.	19	9	20	0	20	0

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Local Reports

ENGLAND AND WALES

North-East Midlands.—The annual general meeting of the Joint Committee of the North-East Midland Prescription Bureau was held recently. The report of the Executive Subcommittee for 1931 stated, *inter alia*, that the number of prescriptions admitted for pricing was 3,890,383, being an increase of 6.2 per cent. over the previous year's total. The number of chemists' accounts dealt with during the year was 10,188, a total value of £125,591 2s. 1d.

Portsmouth.—At the recent annual meeting of Portsmouth Insurance Committee it was stated that there were now 80,000 insured persons on the Committee's lists. Dr. M. Way, retiring chairman, said he thought the time had arrived when the chemists should put their heads together to see what could be done to make drugs available at all times of the day and night for the insured person. Information could be given to the police station as to which chemists were available at a specified time. Councillor W. J. Lewis, chemist and druggist, returning thanks for his election as chairman, said he had been a member of the Committee for about eight years. Mr. F. H. Ruoff (secretary of the Portsmouth Pharmacists' Association and of the local Branch of the Pharmaceutical Society) was unanimously elected vice-chairman.

Salford.—A report presented to the Salford Insurance Committee recently stated that during the previous year 658,647 prescriptions were dispensed at a total cost of £21,952, an average of 7.998d. per prescription. The chairman (Mr. E. H. Simmons, chemist and druggist) said that the general cost of prescribing in the city still appeared to be high, yet from a review it was practically impossible to find out how it could be further reduced, and, at the same time, retain the high standard of treatment.

Smethwick.—At a recent meeting of the Smethwick Insurance Committee, the Benefits Subcommittee reported that an explanatory letter had been issued to chemists, pointing out that it remained open to a chemist who received an order on an official prescription for an appliance which, in his opinion, was clearly not a prescribed appliance to refuse to supply the appliance, but that in the normal course it was preferable that the chemist should supply any appliance ordered by an insurance doctor on the official form. The following statistics relating to prescribing during the quarter ended September 30, 1931, together with the corresponding figures for 1930, were received:—

	1931	1930
Number of prescriptions issued	32,699	32,322
Total cost of ingredients ..	£468 9s. 5d.	£476 5s. 7d.
Total cost of dispensing fees	£589 9s. 9d.	£580 10s. 7d.
Average cost of ingredients per prescription.. ..	3.4d.	3.5d.
Average cost of dispensing fee per prescription ..	4.3d.	4.3d.
Average cost per insured person	7 0d.	7.1d.
Average number of prescriptions	0.9	0.9

Wolverhampton.—When a case of inaccurate dispensing came before the Wolverhampton Insurance Committee at the recent annual meeting, it was stated that this was the first occasion during the time the Pharmaceutical Service Subcommittee had been in operation. In the case under consideration the Subcommittee had reported that the excess of two drugs in the sample analysed "disclosed gross carelessness in dispensing," and they described the chemist as "unworthy of the profession of which he was a member." Their report recommended that he be censured and a penalty of £1 imposed.

A Medico-Pharmaceutical Discussion

THE Leicester Medical Society and the Leicester and Leicestershire Branch of the Pharmaceutical Society held a joint meeting at Leicester on February 24, Dr. W. I. Cumberlidge in the chair. The principal speakers were Dr. E. L. Lilley and Mr. A. E. Young, Ph.C. After introductory remarks by the chairman, Dr. Lilley presented

A Medical View of Proprietary Medicines

[ABSTRACT]

WE may start with a definition of a proprietary medicine as being a substance sold for the use of the public under a name which is a private property and cannot be used without the permission of the owner. It is the name which is protected, not the substance. The words "patent medicine" are a misnomer. Proprietary medicines sold to the public are normally subject to tax. There are, however, ways of evading this tax. From the trade point of view proprietary medicines may be divided into the following classes:—

(1) Non-secret substances prepared by a patent process, for instance, insulin. These are really patent medicines.

(2) Non-secret substances like new synthetic remedies which have been prepared in the laboratories of private firms by more or less secret processes. The composition in general terms is usually disclosed to the profession. Under this heading come the glandular extracts, various vaccines and antitoxins.

(3) Non-secret preparations of known composition which are to be put in some special pharmaceutical form having a proprietary title, for instance, tabloids and palatinoids.

(4) Preparations the composition of which is not disclosed to the profession or is disclosed so imperfectly that its true action cannot be judged by a competent pharmacologist. This includes all the secret remedies. They are nearly all advertised directly to the public.

Group 1 are obviously quite ethically correct. We cannot do without insulin, for instance, because it can only be made by certain firms. About this class of true patents there has been much discussion in the past two or three years. At a British Medical Association representatives' meeting, a scheme of dedicated patents was considered. Insulin is dealt with in this way, and in other instances universities have been made the recipients of the patent rights. The ideal solution of the problem has not been reached.

Coming to Group 2, it is obvious that the use of such substances as the newer synthetic remedies, glandular extracts and vaccines made by a particular firm is ethical. With many such substances a practitioner should specify the particular firm or title for some of the substances whose standard of strength cannot be otherwise guaranteed. The Therapeutic Substances Act is only put into operation where a suitable standard can be set up, and such standards have yet to be found with many substances. Vitamin products are a very important group of these products. Grossly misleading statements are published about such substances by firms which ought to know better.

With regard to Group 3, where preparations of known composition are to be put in some pharmaceutical form whose elegance or excellence appeals to the doctor, the ordering of such substances is obviously ethical.

It is with regard to Group 4 that the speaker's chief objection is raised. He has a strong personal opinion that it is not open to a doctor properly to prescribe to a patient substances the composition of which is not published to the profession. He does not know of any disease which cannot properly be treated without the aid of one of these secret remedies. The position of a doctor recommending such remedies to his patient is analogous to that of a stockbroker recommending shares to his clients on the uncorroborated praise of a bucket shop. Fortunately in England most of the profession have realised their proper attitude in this matter, but in some other countries there is a very different story. Probably the worst offenders with regard to proprietary articles in general are some of the Harley Street specialists. There is a particular form of prescribing, namely, prescribing under the National Health Insurance, where the problem has a rather special aspect. Here a doctor is not using his own money, but public funds, and every prescription he writes is in effect a cheque on the chemists' fund under the Acts. A doctor who gets a craving for prescribing proprietary articles may more than double his charge on the drug fund. The attitude taken up by referees in these questions cannot be better expressed than by the following quotation from an actual judgment:—

A CONSIDERED JUDGMENT

Under the Regulations a doctor must give to his patient the treatment which he thinks best. The whole question depends on what is meant by the word "thinks." As applied to a learned profession the word obviously carries with it the implication that there shall be thought upon scientific lines, and not the loose thinking upon medical matters which is the prerogative of the layman. When a doctor in his professional capacity is drawing upon public funds, it would seem to be mere common sense that the guardians of the fund have the right to expect that an equal degree of professional acumen shall be brought to bear upon the economic aspects of the case. Examined in this light the problem of a panel committee or of referees under the Regulations is not so much the very difficult one of deciding whether a certain line of treatment is to be regarded as good or bad in any particular case (which they have not seen), but the easier one of deciding whether the conclusion of the doctor as to the necessity for a drug was based upon logical processes combining a full professional examination of the case in question with the general body of professional knowledge, not only of the pathological and pharmacological matters in question, but also of the pharmaceutical methods of obtaining the desired pharmacological effect in as economical a manner as possible. He cannot be expected to prove to a committee of medical men that his treatment was the best possible treatment. This would be against all the canons of professional liberty, and would eventually tend to stereotype treatment in an injurious manner; but he can reasonably be expected to be acquainted with the chemical and physical properties of the drug which are in question, he should surely be acquainted with modern work upon the subject, or he should be able to produce a reasoned diagnosis as a basis of appropriate treatment.

Unfortunately, in spite of what is intended to be a scientific education, many practitioners are nearly as susceptible to the mental suggestion engendered by advertisements as are the lay public. In fact one may admit that very few, if any, are immune from a mental process which is far removed from logical thought. We receive an advertisement often accompanied by a sample by the morning post, and very few of us have consistently refused the temptation to try it upon some obstinate case. If the case improves, then in many minds there is formed what amounts to a conviction that the drug is really useful. In most cases a few further trials sufficiently discount the mental impression. Public funds should be protected from exploitation by means of suggestion imparted by advertisements, aided by the fortuitous effect in one or two cases of the "vis medicatrix naturæ," and in fact it is the general practice of the profession to abstain from such prescribing. It is generally recognised that our (usually temporary) convictions formed in this way are not really of sufficient scientific weight to justify us in prescribing either in private or for panel patients until we have further evidence. The insured person cannot lose any advantage from the non-prescription of any newly discovered treatment of any real value. He may, indeed, be saved a great deal.

Mr. A. E. Young followed with:

A Pharmaceutical View of the Question

[ABSTRACT]

As a subject, proprietary medicines do not lend themselves to debate. A proprietary medicine may be defined as "one for which proprietary rights are claimed, whether a secret formula or not," and the dictionary defines prescribing as "to write medical directions, especially to write the formula of a drug to be made up." Proprietary medicines may be divided into four groups:—

(1) Serums, vaccines, glandular products, etc., which doctors should order from definite sources so that their uniformity may be assured.

(2) Synthetic drugs. These are often the products of expensive and tedious research, and if those undertaking this are not going to obtain adequate reward for their labours, such investigation would not be carried out.

(3) Galenicals. Special palatable preparations or physiologically standardised products of known formula. Such formulas must be real, i.e., not extended chemical terms or pseudo-declarations (e.g., of drugs almost unheard of in ordinary pharmacy). Few such preparations, when made from the published formulas, bear even a remote resemblance to the original products.

(4) Quack nostrums or secret remedies, which stand already condemned, and the prescribing of which has no justification.

Discussion

Several doctors and chemists took part in the discussion which followed, many interesting points being raised. Dr. Porteous thought that it was necessary to try (particularly, perhaps, in stubborn cases) the samples of new proprietary medicines which came by post, otherwise remedies of value might possibly be missed. Dr. Lilley hardly agreed with him regarding this. Drs. Barnley and Holyoake considered that the B.P., B.P.C., and "Martindale" were sufficient for ordinary prescribing. Dr. Silcock remarked that the B.P. was invariably years behind the times, and added that according to his dictionary definition of a patent medicine, "Guinness" should be included. Miss A. Kay (lecturer, pharmacy department Leicester College of Technology) stated that the legal definition of a patent medicine seemed to have been overlooked. At the present time there were but one or two such remedies on the market, a patent medicine being prepared and sold under letters patent. One chemist spoke of his "museum," where rested the remains of opened packages from which small amounts had been taken for various unrepeated prescriptions.

The meeting closed with a vote of thanks to the speakers, proposed by the chairman and seconded by the Leicester medical officer of health (Dr. C. K. Millard), who observed that perhaps if the world were deprived of proprietary medicines, and, indeed, drugs as a whole, for twelve months, the death rate would not rise, but would most probably drop.

Festivities

Staff Functions

THE staff of C. J. Hewlett & Son, Ltd., held their thirtieth social evening on February 27, Mr. E. J. Millard (managing director) in the chair. Mr. H. Fesenmeyer (senior town traveller) proposed the toast of "The Firm" in an able speech, recalling outstanding events which had occurred during the forty-five years he had been with the firm. The chairman replied in a similar reminiscent manner, and emphasised the need for thorough and effective service in order to maintain a high standard. Mr. Vivian C. Hewlett (vice-chairman) also replied, giving the staff some particulars regarding the official celebration of the firm's centenary. A short cabaret concert followed, and the room was then cleared for dancing.

A SUCCESSFUL ENTERTAINMENT was given by members of the staff of The British Drug Houses, Ltd., at the Central Library, Holloway Road, N., on February 25. Mr. R. R. Bennett presided and was supported by Dr. F. H. Carr, Mr. Alan Francis and Mr. C. Mervyn Hill. Mr. Thetford played violin solos, and vocal items were rendered by Miss E. G. Roff, Mr. P. L. Lucas, Mr. H. Nowell, Mr. H. J. Tracy and Mr. E. Wright. Two sketches were produced, "The Rest Cure," by Gertrude Jennings, and "The Man in the Bowler Hat," by A. A. Milne. They were excellently acted, and were much appreciated by the large audience. The prints entered in the annual photographic competition were displayed in the hall, and during an interval a silver vase was presented to Mr. W. Poulter, whose print had been selected. A vote of thanks to Mr. R. R. Bennett for presiding was proposed by Miss G. M. Barnes (secretary of the entertainments committee) and was carried with acclamation.

West Ham Dinner

THE annual dinner and dance of the West Ham and Eastern District Association of Pharmacists and Branch of the Pharmaceutical Society was held at the Hotel Metropole, London, W.C.2, on February 25. The guests, to the number of about 250, were received by the president (Mr. F. R. Maxey) and Mrs. Maxey. The company included Mr. F. G. Hines (vice-president of the Pharmaceutical Society), Mr. Herbert Skinner (chairman of the British Pharmaceutical Conference), Dr. F. W. Crossley Holland (treasurer of the Conference) and Mrs. Crossley Holland, Mr. and Mrs. G. W. Evans, Mr. and Mrs. J. Hay, Mr. and Mrs. W. Potter, Messrs. W. Gaze, J. E. Lockyer, H. Mitchell and Arthur Mortimer. The spur tables were in charge of Messrs. A. Leith, J. Thomson, J. Reed (secretary), W. Main (vice-president), W. J. Beardsley, B. Wathen, S. C. Jones, H. S. Asplin, W. T. Graham and W. Saunders. During dinner Mr. W. J. Beardsley (chairman of the Benevolent Fund Committee) made an appeal on behalf of the Fund (the amount collected was announced later as £12 7s.). The president said he had received a telegram from Mr. Melhuish (president of the Pharmaceutical Society) wishing them a very happy evening. Proposing the toast of "The Pharmaceutical Society of Great Britain," Mr. W. Main referred to the British Pharmaceutical Codex as the chemists' "Bible." He referred also to the correspondence which had appeared recently in the trade Press with reference to the gill. He suggested that the gill should receive official notice in the next edition of the Codex. Mr. Hines, responding, said it gave him great pleasure to be able to reply on behalf of the Society. The president, he thought, had had a very strenuous period of office; he had protected the interests of members to the best of his ability. Mr. Hines emphasised the need for a new home for the Society. He congratulated the West Ham members on their work for the Benevolent Fund. Mr. Herbert Skinner proposed the toast of the "West Ham and Eastern District Association of Pharmacists." There was one thing, said Mr. Skinner, about which they could be proud, their work on behalf of the Benevolent Fund. Those who knew Mr. Maxey knew his worth, and they were fortunate, as well, in having a good secretary. They did really appreciate Mr. Reed's loyal services. He coupled with the toast the names of Mr. and Mrs. Maxey. Mr. Maxey, in reply, said that next month the Association would celebrate its twenty-ninth birthday, and he was pleased to see with them their first president, Mr. Harold Mitchell. "The Ladies" was proposed by Dr. F. W. Crossley Holland and replied to by Mrs. G. W. Evans, J.P. During the dinner the company was entertained by the Temple Quartet, and later by Gordon Marsh and his Marshmallows.

Retail Pharmacists' Union

Election of Executive Committee, 1932

THE undermentioned have been nominated for election to the R.P.U. Executive Committee, which will hold office for three years from April 1, 1932. One member is to be elected for each division, with the exception of Metropolitan, for which three members are elected. Where there are contests, voting papers will be dispatched to the members in those divisions on March 7, returnable on March 18. An asterisk denotes a member of the present Executive Committee.

North-Western Division, 1.—*1. Hardy, Thomas, Maryport. *2. Hindle, Fred, Skerton, Lancaster.

North-Western Division, 2.—*1. Scholes, William Isaac, Eccles.

North-Western Division, 3.—*1. Clubb, William Herbert, Liverpool. 2. Wallis, Hugh William, Ellesmere Port.

North-Eastern Division, 1.—*1. Forster, William, Seaham Harbour.

North-Eastern Division, 2.—*1. Gilleghan, Herbert, Leeds. 2. Wilson, William, Bradford.

North-Eastern Division, 3.—1. Hawkins, Philip, Bridlington. 2. Hobson, Cyril Watson, Sheffield. 3. Saville, Walter Perfect, York.

Western Division, 1.—1. Bryan, David Allen, Penmaenmawr.

Western Division, 2.—*1. Phillips, Francis Daniel, Haverfordwest.

Western Division, 3.—*1. Challinor, Samuel George, Fenton. *2. Marshall, Henry Herbert, Moseley, Birmingham.

Eastern Division, 1.—*1. Hague, John, Lincoln.

Eastern Division, 2.—1. Evans, John, Cambridge. 2. Morgan, Arthur Williams, Bedford.

Eastern Division, 3.—*1. Stearn, Sidney John, Ipswich.

Southern Division, 1.—*1. French, John Edward, Sittingbourne.

Southern Division, 2.—1. Atkinson, Wilfrid Webster, Southampton. 2. Hampton, William Henry, Gloucester.

Southern Division 3.—*1. Rowsell Philip Foale, Exeter.

Metropolitan Division (returning three members).—*1. Atkins, Ernest Andrew, Wandsworth, S.W.18. *2. Keall, John, Wandsworth, S.W.18. *3. Melhuish, Andrew Ralph, Duke Street, W.1.

Branch Meetings

Bradford.—A meeting of the Bradford Branch of the Retail Pharmacists' Union was held recently, Mr. A. T. Bailes in the chair. Mr. H. E. Chapman (general secretary of the Proprietary Articles Trade Association) addressed the members on the policy of his Association. Four years ago, Mr. Chapman said, there were few complaints regarding the progress of price maintenance, and when the commission appointed by the late Government had declared in favour of the system, the situation should be favourable. In recent years price cutting, especially outside the trade, had been increasing. Mr. Chapman gave some instances. In the discussion which followed many questions were asked, and several suggestions proffered. Mr. Chapman dealt with the points raised, and on the proposal of Mr. J. H. Thorpe, the following resolution was passed unanimously:—"The members of the Bradford Branch of the Retail Pharmacists' Union desire to place on record their appreciation of the value and work of the P.A.T.A., and to assure the Council that they are prepared, if necessary, to make sacrifices in regard to bonus and discounts if by so doing the price-maintenance work of the P.A.T.A. can be made more effective. They are also prepared to do their utmost to discourage the sale of the products of those proprietary manufacturers who are not prepared to assist the P.A.T.A. to the fullest extent." After deciding on the formation of a subcommittee for the local assistance of the P.A.T.A., the meeting closed with a vote of thanks to the speaker.

Association Meetings

Blackburn.—The annual meeting of the Blackburn and District Chemists' Association was held on February 18, Mr. Joseph Eyles (president) in the chair. Mr. F. Law (secretary) read a letter from the Retail Pharmacists' Union relating to what was called the Stretford scheme. The letter suggested it was preferable that infant foods be supplied by chemists at special prices, rather than by an extension of the municipal trading system. Mr. A. Dawson thought the system an excellent one; it was on a par with the system which operated locally for out-relief. He did not see why the system should not be generally adopted throughout the country. Health clinics, he said, were never intended for direct trading, but he did not think any chemist would disagree with the aims and objects of these centres. Mr. J. Isherwood said he regarded the scheme as an excellent one. He wished it could come into operation throughout the country in a manner similar to N.H.I. Mr. W. Lightbown thought the question should be referred to the committee for consideration. Mr. Law, supporting, said it would be useful to get medical officers interested. Mr. Dobson thought if they approached the health authorities in the right manner there would be no difficulty. Mr. Lightbown's recommendation was agreed to and it was decided to inform the R.P.U. of their opinions on the subject. Mr. Law presented the accounts, which were approved. Mr. Eyles said he had come to the end of his work as president; he desired to thank them for their support and co-operation during the past two years. Mr. Isherwood proposed a resolution of thanks to Mr. Eyles and to the secretary. The following officers were elected:—*President*, Mr. Arthur Dobson; *Vice-President*, Mr. J. Eyles; *Treasurer*, Mr. W. Lightbown, *Secretary*, Mr. Fred Law; *Committee*, Messrs. O. Pritchard, R. Lucas, C. W. Hutchinson, W. Holt, and F. A. Brooks.

Liverpool.—A joint meeting of the Liverpool Chemists' Association and the Liverpool Branch of the Guild of Public Pharmacists was held on February 24, Mr. H. Humphreys Jones (president of the Association) in the chair. The speaker was Professor Walter J. Dilling (Dean of the Faculty of Medicine of Liverpool University), who delivered a lecture on *Some Methods and Results of Experimental Pharmacology*. The president said the subject was one about which pharmacists knew very little, except that they had developed an instinct which taught them the effect of drugs on the system. Professor Dilling, with the aid of numerous diagrams and photographs thrown on the screen, illustrated the action of certain groups of drugs. The first group owed its activity and its effect to reflex action. He instanced the simple act of tickling the sole of the foot reacting on the nerve centres and the spinal column, and described the action of counter-irritants by setting up subcutaneous irritation Professor Dilling proceeded to show the effect of stimulants on the nerves, the effect of an emetic, and the action of certain drugs on the intestines and mucous membranes, the effects of saline cathartics on the red cell contents of the blood, of atropine, lead nitrate, morphine, pilocarpine, digitalis, quinidine, strychnine, chloroform and ether on the heart and respiratory organs. He showed also how blood pressure was increased or decreased. The chairman, at the conclusion of the lecture, said Professor Dilling had dealt with things with which they were all familiar from one point of view and unfamiliar from other points of view.

London (N.).—The monthly meeting of the North London Pharmaceutical Association was held at the North Library, Holloway, N., on February 16, the president (Mr. J. C. Young) in the chair. After routine business, the evening was given up to a lecture by Mr. G. R. Boyes (Parke, Davis & Co.), on *Some Recent Advances in Biological Products*. The lecture was illustrated by means of slides, and covered the progress made in the investigation of the various hormones of the human body. The lecturer answered several questions following his lecture, and a hearty vote of thanks was accorded for one of the most interesting addresses of the session.

At the British Industries Fair

SOUTHALL BROTHERS & BARCLAY, LTD. A STRIKING EXHIBIT AT THE TEXTILE SECTION, WHITE CITY

THE ATTRACTIVE STAND OF T. F. BRISTOW & CO., LTD, AT OLYMPIA

A Talk to Students

Notes of an Address delivered, on February 24, to the Edinburgh Chemists,' Assistants' and Apprentices' Association by Mr. John Gilmour, Ph.C., a Member of the Society's Board of Examiners.

MR. GILMOUR commenced his talk by surveying briefly the changes which have taken place in examination conditions during the past twelve years. With regard to the practical side of pharmacy, things were not very satisfactory, and the average candidate was neither so able a dispenser, nor so experienced a counterman, as his predecessor. For this state of matters he did not think they could entirely blame any one of the parties immediately concerned. They had to remember that several factors were responsible for the conditions obtaining at present. For one thing, the age for leaving school had been raised, and young people entered upon their apprenticeship two, three, or even four years later than formerly. Further, grants by the educational authorities made it possible for many to enter upon their studies immediately apprenticeship was over who, formerly, might have had to spend a year or two gathering the necessary funds to prosecute their studies, and, incidentally, gathering experience. Modern conditions of medical science, too, made it impossible for the average pharmacist to prepare more than a minimum of his own galenicals, and the increasing tendency of medical men to prescribe proprietaries tended to make the modern pharmacist much more of a distributor than a compounder of medicines. It was no easy task, he said, to find a remedy.

An Examiner's Advice.

He suggested to his listeners that they should not be leaners, should not be tempted to rely too much upon the efforts of others to bring them to examination standard, but to use their own brains, think things out for themselves, and not "grouse" if their apprenticeship training was not all they thought it should be. Accuracy, cleanliness, neatness and observation were habits of the utmost importance to their reputations as pharmacists. There was a good deal to be said for the apprenticeship which included, as a preliminary to other duties, a good course of sweeping floors, washing bottles, and dusting the shop rounds. A neat and tidily wrapped bottle or package gave some indication of a good and accurate workman, and he would like to see just a little more attention paid to this point. Invalids were frequently fastidious, and how often did one find, even in the examination room, a bottle smudgy with finger prints, label awry, and the mixture itself what he would call "drumly," the whole thing unsightly and tending to cast doubt and discredit upon the dispenser.

Referring to the Qualifying examination, Mr. Gilmour asked them to try to disabuse their minds of the bogy which obsessed so many, namely, that their examiners were ogres of sorts, thirsting for their blood and rejoicing in their downfall. With regard to the practical examination, it was worth while to remember that courtesy and good manners should not be left outside the room. A simple, straightforward, courteous attitude was well worth while. It was to be remembered, also, that applied common sense was a very great asset to a candidate. Since the introduction of written papers towards the end of 1929 a considerable improvement was noticeable, but there was still room for improvement in some directions.

Mr. Gilmour, giving examples of curious mistakes, said he could hardly think excitement would be responsible for an individual to mis-spell repeatedly the word "doctor," which was given as "docter." Other mistakes he had come across were "deffinite," "essential," "scrapped" (scraped), "ingreidiants," "concising" (consisting). Careless construction of sentences was frequent: "then careful heat the water"; "after which it is again filter"; "there have been machines made to do this but none of them do it satisfactory." One point to be remembered in connection with written papers was to see that they properly understood the question they were attempting to answer. Do not, he asked, be like the candidate who, in a forensic pharmacy question dealing with National Health Insurance and the duties of the local insurance committees, proceeded to give quite a good account of what an individual did who wanted to insure his life. It was wise also when sitting a written examination to take time to revise answers.

Some Pharmaceutical Howlers

He gave a few examples of errors which illustrated how not to do it:—

Aqua Camphoræ—"this is made with distilled water and water is a good preservative."

Taraxacum Juice—"is allowed to stand for a definite of time for the flatulence to subside."

Unguentum Hydrargyri Nitratis—"the solution of mercurous nitrate is quickly added in a slow continuous stream."

Water—"is appreciably soluble in copper."

Calcium Phosphate—"is used in the preparation of certain waters in certain parts of the world."

Beeswax—"the bee is domesticated in this country to a large extent": "it is obtained by pouring out the honey from the comb (having firstly removed the bees)"; "the bee makes the wax by buzzing its wings rapidly about without flying and the wax seems to be a form of perspiration."

Castor Oil—"the seeds are first crushed between rollers and the shells are wafted away by means of fans."

Belladonna—"the intercellular spaces, which powder easily, contain only a little alkaloid."

Henbane—"the most characteristic feature of the official henbane is the sticky feeling it has"; "the leaf when fresh does not have all its parts in the same plane, but is wavy particularly towards the margin in a vertical direction if placed flat."

Aniseed—"when the aniseed fruit is crushed a distinct smell of aniseed is found."

Opium—"Chinese opium is chiefly collected in Macedonia and Bulgaria."

Spermaceti—"when all valuable parts have been separated, such as the liver, the head is pressed and this is separated from crystalline matter by remelting and washing."

Logwood—"is a wood which can be polished at both ends."

Coca Wine—"if less than the amount may be sold to doctors, dentists, and vets. for agricultural use."

Oil of Savin—"may only be sold in a stoppered bottle."

Paregoric Elixir—"may only be sold to anyone provided it is in a stoppered bottle."

Hay and Straw—"are sold in pennyweights."

One candidate, discoursing on warranty defence, stated tersely that this "means that he pleads ignorance and blames the wholesaler."

Under "National Health Insurance" they found the following interesting statements:—"If any chemist should supply impure products the Pharmaceutical Committee are there to take action if necessary and if one chemist blasphemes another on any point in this connection then the Pharmaceutical Committee steps in"; "Complaints are dealt with by the Insurance Committee who have the power of scoring the name of the chemist off the N.H.I. list and then the Pharmaceutical Society or the Food and Drugs Committee do the fining business."

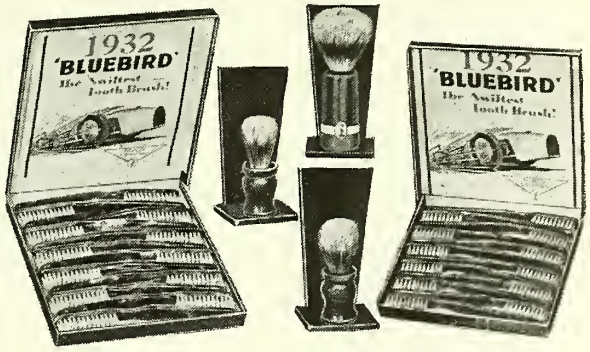
After a discussion, a cordial vote of thanks was accorded to Mr. Gilmour on the motion of the chairman.

Modernity at Maw's

ONE hundred and twenty-five years ago there was founded in London a druggists' sundries business which was destined to become one of the most important concerns of its kind. Although rich in historical associations, the aim of the House of Maw is to live in the present and to plan for the future. It was our privilege a few days ago, at the invitation of the House, to visit the London showrooms at 7-12 Aldersgate Street, E.C.1, where a special display of ultra-modern toilet brushware is being held (and which will continue for the next two months); from notes taken on that occasion we have compiled the following article. Messrs. Maw do not handle patent medicines or bulk drugs, but specialise in a complete range of sundries, making a good proportion of these in their London factories at Aldersgate Street, Monken Hadley Mills (Barnet), Hackney and Haggerston.

The Showroom

Just outside the entrance to the showroom hangs a fine example of the old pharmaceutical lanterns which were used during the nineteenth century. We were assured that while this particular lantern had been at Aldersgate Street for at least seventy-two years, there is no definite evidence as to how long it was there before that period. However, hanging outside a showroom in which modernity is the keynote, it serves as a constant reminder of bygone days. Our first impression on entering the showroom, which is situated on the second floor of the premises, was that colour is utilised to the best advantage. Orange and green combine to give the displays a bright and attractive appearance, which is further enhanced by the use of shaded electric lights hanging one over each case. The showcases are of a type and quality usually found in better-class pharmacies and were made in Maw's shopfitting factory. Visitors to the showroom will generally find inspiration in the varied types of displays which are on view; stock crêpe paper, standard glass shelves and other simple accessories are utilised; these can be purchased at competitive prices from the display department. Passing through the entrance we noticed, on the right, a model pharmacy window which, we were told, is used as a demonstration window for the benefit of visitors. At the time of our call this window was dressed in a simple yet attractive manner, the theme being a display of Maw's packed goods which, incidentally, comprise a range of twenty popular lines in various sizes. For



EXAMPLES OF THE BLUEBIRD RANGE

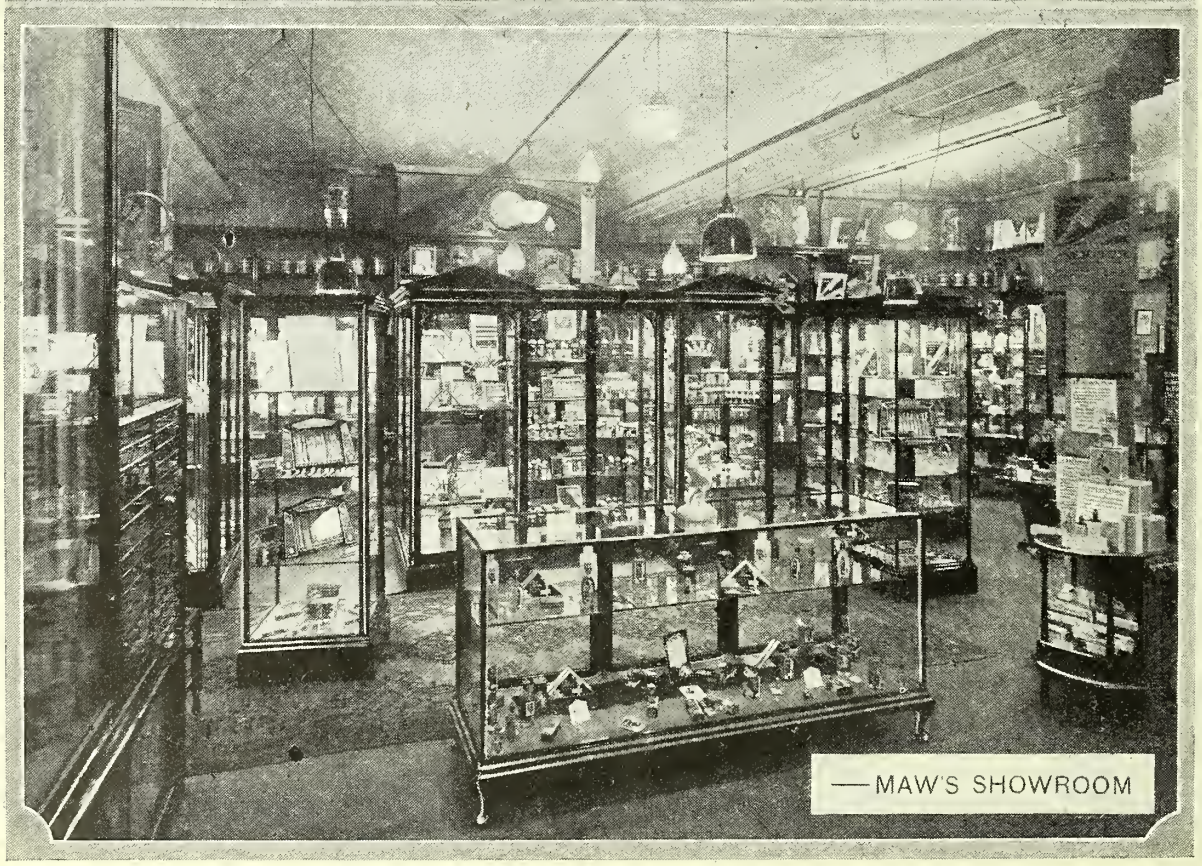
the benefit of those who may feel disposed to copy this excellent display from our illustration, we noted the following particulars:—The background consists of silver paper (No. 2302), with tubes of blue (No. 53), black (No. 12) and blue (No. 51½); the numbers, of course, refer to Maw's crêpe paper.

Toilet Brushware

The centre and most important showcases are devoted at present to displays of modern toilet brushware. Shaving brushes, in particular, are presented in a wide range of colours, shapes, sizes and prices. Perhaps the most interesting feature of this display is the introduction of colour into the handles. From a display point

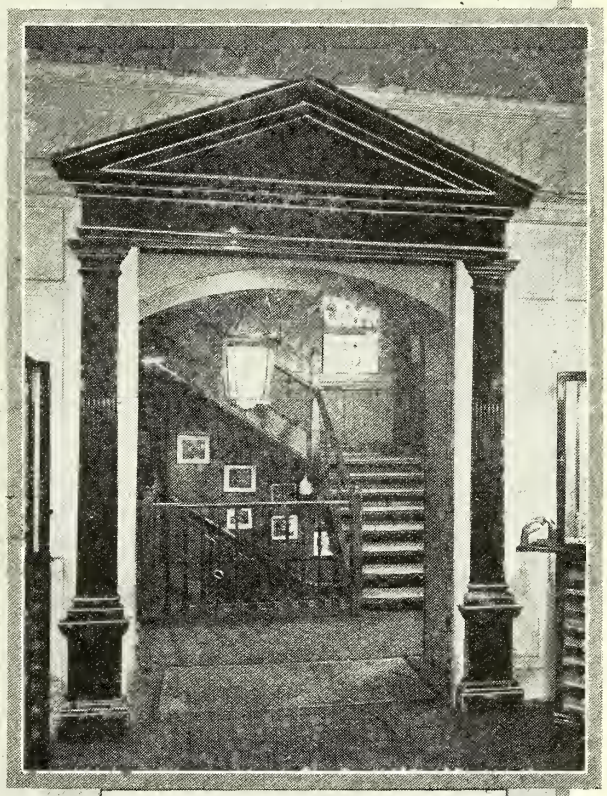
A SELECTION OF MODERN SHAVERS BY MAW

TWO ASPECTS OF—



—MAW'S SHOWROOM

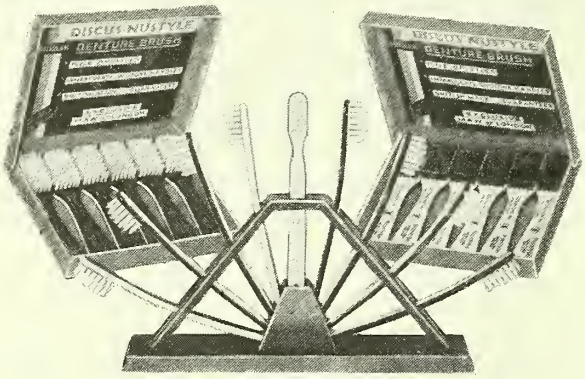
A DISPLAY OF TOILET BRUSHES



ENTRANCE TO THE SHOWROOM

A VIEW OF THE COMFORTABLE LOUNGE

of view coloured handles have decided advantages, and, as the sales reflect, they apparently meet with the approval of users. The handles are manufactured from Morite, a product which is processed exclusively by skilled craftsmen at the Barnet factory; the filling of



THE DISCUS NUSTYLE BRUSHES

the handles is done at the toilet branch factory at Hackney. The Morite Safetihandle was first introduced about two years ago in jet black and marbled colours, and was probably the first proprietary non-split handle of exceptional quality for the better-class market. White Morite handles have been introduced subsequently; they have a perfect finish and are guaranteed to give faultless service in course of proper usage. While the shape of Maw's shavers may be said to remain generally conventional, interesting departures have been made in some instances. The company claims to have been first in the field with square-handled brushes as well as with brushes embodying definite selling motifs. Square-handled brushes, of course, have the obvious advantage in that they cannot roll and, contrary to expectations, they "hold" very comfortably. These brushes, it was noticed, are sold mounted on velvet pads with strong metal stands; the pads are finished with neat ivorine tablets carrying sales matter. Shavers in the shape of ships' funnels, even to the characteristic slope, are another novelty. During the past year an interesting research has been conducted to find the exact grip employed by various persons when using a shaving brush; the results were examined, and the outcome of the research was the introduction of the Suregrip Safetihandles. Suregrip shaving brushes are offered also with a special rubber suction cup which may be attached to the bathroom wall.

Tooth-Brushes

Messrs. Maw manufacture exclusively for chemists a complete range of bone and celluloid tooth-brushes with a satisfactory guaranteed margin of profit. The brushes are supplied in cartons with additional attractive show material. Apart from the well-known Meritor brushes, however, Messrs. Maw are now offering a range of bone tooth-brushes at competitive prices, in which the brushes, boxes and labels conform to the expected high standard of quality. We were particularly interested in the new short head Discus Nustyle brush, which may be obtained with the conventional white handle or in a specially-designed black and white duotone handle. A striking example of the success of topical appeal is evidenced by the wide sale of Bluebird tooth-brushes. These blue-handled brushes were specially marketed in a distinctive one-dozen pack, with an illustration of the well-known racing car, Bluebird, and released for sale immediately after the speed record had been broken. Bluebird brushes are enjoying a further period of popularity on account of the renewed interest taken in the latest attempt on the speed record.

The number of chemists visiting Maw's showroom has so increased during recent years that a trained staff is permanently employed attending to callers' requirements. It is interesting to note that during the period of special display expert technical advice is available. The comfortable lounge shown in our illustration is maintained for the use of customers.

A SUGGESTION FOR A DISPLAY

Trade Notes

ENSIGN, LTD., High Holborn, London, W.C.1, illustrate one of their new cameras elsewhere in this issue.

ILFORD, LTD., Ilford, announce that new showcards and window display material for Selo roll films are now available.

THE BRITISH THOMSON-HOUSTON CO., LTD., Aldwych, London, W.C.2, have reduced the prices of Mazda electric lamps.

JOHN THOMPSON, WHOLESALE DRUGGISTS (1921), LTD., Duke Street, Liverpool, have been appointed distributors in that area for Selo and Ensign films.

REJUVENATION.—Seven O Seven, Ltd., 6 Old Bond Street, London, W.1, are the proprietors of Seven O Seven, a preparation for rejuvenating the human glands.

BONUS OFFER.—Allcock Manufacturing Co., Birkenhead, give particulars of bonus terms in connection with their Porous Plasters and Corn Plasters on another page of this issue.

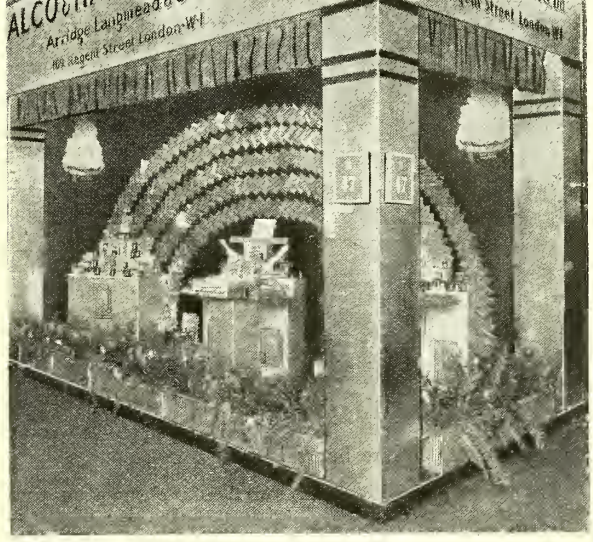
HORLICK'S TOFFEE.—Horlick's Malted Milk Co., Ltd., Slough, have reduced the selling price of Horlick's toffee from the 4-lb. tins; the prices of the smaller packets are unaltered, but the amount of toffee has been increased.

THE BRITISH ALUMINIUM CO., LTD., Adelaide House, King William Street, London, E.C.4, have issued two excellently illustrated publications dealing respectively with "Aluminium in Shopfitting" and "Aluminium in Architecture and Decoration." Either of these will be sent to our subscribers on request.

OLIVE OIL.—Southall Brothers & Barclay, Ltd., Lower Priory, Birmingham, inform us that the sales of their A1 olive oil have increased by 50 per cent. in the last two years—an indication of its excellent quality. This product is packed for resale in distinctive bottles, and is also obtainable in bulk. A recipe book is supplied with every bottle, and a sample of the oil will be sent to chemists on request. Prices are protected under the P.A.T.A. scheme.

SELL'S TELEGRAPHIC ADDRESSES.—Business Dictionaries, Ltd., 8 and 9 Johnson's Court, London, E.C.4, have just published the forty-seventh issue of "Sell's Telegraphic Addresses." The 1932 edition is divided into sections as follows:—Names of firms alphabetically arranged (London only) and Great Britain and Ireland (exclusive of London), telegraphic addresses alphabetically arranged (London only) and provincial; stock exchange section; trades' list; newspaper Press list and an American section. The official lists containing 100,000 names are supplied to the publishers by authority of H.M. Postmaster-General; it is obvious that such a collection of information concerning responsible business houses must be of the greatest value.

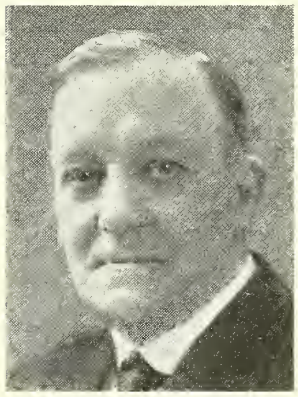
BURGOYNE, BURBIDGES & CO., LTD., manufacturing chemists, East Ham, London, E.6, have sent for our inspection specimens of their Spartan series of mixtures. The range includes, among others, those entitled backache and kidney, bismuth soda and pepsin, diarrhœa, catarrh, neuralgia and headache, nerve tonic, and so forth. Care has been taken to select formulas likely to meet with universal approval, while the packing and finish is eminently pharmaceutical. Available in 4 oz., 6 oz. and 8 oz. bottles, the prices for each size of mixture are uniform.—Another matter of interest to chemists is that Messrs. Burgoyne, in order to obviate the work for their customers and themselves, manual and clerical, involved in the return of charged containers, are, wherever possible, supplying chemicals in ½-lb. and 1-lb. lined sealed cartons. Among those sent out in this manner are:—Ammon. brom., hexamine, phenacetin, bismuth subnit., zinc sulph., to enumerate but a few.



TWO ATTRACTIVE DISPLAYS AT THE OLYMPIA SECTION OF THE BRITISH INDUSTRIES FAIR

Personalities

Mr. E. T. Hampson, chairman of the directors of Jeffreys, Miller & Co., Ltd., and Itona Products, Ltd., Wigan, has been appointed a justice of the peace.



Mr. E. T. Hampson, J.P.

Notice is given in "The London Gazette" that Joseph Shapiro, 63 Gathorne Terrace, Leeds, medical practitioner, has assumed the name of Joseph Sharp.

At the recent photographic exhibition of Blackburn Camera Club, Mr. T. C. Egan, chemist and druggist, who is on the staff of Mr. C. A. Critchley, Ph.C., Blackburn, was awarded the third prize in the championship class. Mr. G. Ditchfield won the cup offered by Mr. A. Dobson, chemist and druggist, whilst in the beginners' class Mr. F. G. Critchley, chemist and druggist, won the first prize.

Mr. Frederick Youldon, C.C., has been elected president of the United Wards' Club of the City of London. Mr. Youldon descends from a Devonshire family. His grandfather opened a business as a glass merchant in Bartholomew Close in the year 1840; later a removal took place to High Street, Whitechapel, where the business was carried on for many years. Educated at the old Bishopsgate School, Mr. Frederick Youldon subsequently entered the family business, to which he succeeded in 1900, transferring the same at a later date to his present address in Basinghall Street. Mr. Youldon is a representative for the Bassishaw ward on Court of Common Council, a Liveryman of the Worshipful Company of Loriners, a member of the Bartholomew Club, the City of London Tradesmen's Club, the Guild of Freemen and the Royal Society of St. George. He resides at Woodford, where for many years he has been an active local worker, in particular in connection with the Woodford Union Church.

Mr. Arthur Dobson, chemist and druggist, who has been elected president of Blackburn and District Chemists' Association, is well known in pharmacy in Blackburn and the surrounding district, having previously presided over the North-East Lancashire Branch of the Pharmaceutical Society. Prior to starting in business for himself in Moss Street, over thirteen years ago, he was in the service of Booth & Openshaw, chemists, Blackburn, for twenty years. Mr. Dobson is keenly interested in photography; he is an enthusiastic member of the local camera club, and of the Photographic Dealers' Association. His chief recreation in his leisure hours is golf.

Mr. A. Dobson

The "South Wales Daily Post" of February 17 contains an article on "The Spirit and Service of Pharmacy," from the pen of Mr. G. A. Mallinson, secretary of the Retail Pharmacists' Union.

Mr. G. L. W. Coombes, chemist and druggist, Arundel, has been elected a member of the committee of the local chamber of commerce.

Interesting papers were read at a recent meeting of the Hitchin and District Regional Survey Association. Mr. Francis Ransom dealt with "The Origin of Medicinal Plant Names," and Mr. F. J. Pack spoke on "The Cultivation, Collection and Uses of Medicinal Herbs."

Writing to the Press on February 26, Sir Henry Wellcome regrets the omission from the Import Duties Bill of any provision for the free importation of works of art, including museum exhibition material in general. "It is difficult," he adds, "to understand why libraries should receive preference over museums and art galleries."

Mr. Clifford Taylor, chemist and druggist, Accrington, who is the newly-elected president of the North-East Lancashire Branch of the Pharmaceutical Society, served his apprenticeship with Boots, Ltd., at Burnley, and qualified ten years ago. He acted as manager to the company for three years before starting on his own account in Accrington. He has been a member of the North-East Lancashire Branch for about five years, and is closely interested in the educational side. Mr. Taylor is keenly interested in dogs, and his entries have won numerous prizes at canine shows. His other hobby is gardening. During the war he served in the signal section of the Northumberland Fusiliers and was then drafted to the Army Chemistry School, being instructor and lecturer at the school for over eighteen months.

Mr. C. Taylor

Manufactured Gold

From time immemorial "Philosopher's Stone" has been the name applied to an imaginary stone sought by alchemists, which should transmute everything it touched into gold. The discovery of the philosopher's stone may be as far from realisation as it ever was, but current newspapers make a considerable sensation by reference to the experiments which are now being conducted in the synthesis of gold. But is the synthetic manufacture of gold really new? And, if it is not, why has it not been accomplished already on an extensive scale? To answer the former of these questions one has only to consult the records of British patents to find the prosaic, yet official title of an invention, "Transmutation of Metals," the exclusive rights in which have long since expired. This is the title of British Patent, No. 26,356, of the year 1910, and it was granted on November 12, 1910, to one Marie Roux, a Frenchwoman domiciled in France. The patent, during its validity, conferred a sole and exclusive right to the proprietress to transmute into gold a mixture of powdered iron and silica contained in a crucible by subjecting it to the action of a high temperature—3,500° C.—in an electric furnace with a current of 40 to 50 amperes at about 60 to 80 volts for a period of ten to fifteen minutes. Nor is that all—the siliceous auriferous powder employed may be treated by amalgamation or by the use of solvents for transmutation into other precious metals besides gold, such as silver, antimony and copper; but one would be content probably with the manufacture of gold until the world supply were adequately met.—A. E. W. (26/1).

Births

Notices for insertion in this column must be properly authenticated.

EDWARDS.—At "Woodlands," Station Road, Sidcup, on March 3, Margaret, wife of A. W. Edwards, F.C.S., pharmacist (managing director of Schering, Ltd., London, E.C.3), of a daughter.

MCKINSTRY.—At Bridge House, Thomastown, co. Kilkenny, on February 18, the wife of Mr. R. G. McKinstry, Ph.C., of a daughter (Brenda Kathleen).

Marriages

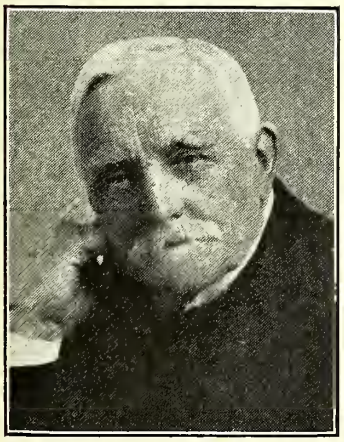
MCGHIE—GERDS.—At the Church of St. Michael and All Angels, Observatory, Cape, South Africa, on January 16, John Knowles McGhie, chemist and druggist, Fort Victoria, Southern Rhodesia, to Helen Noble Gerds.

MILLAR—BARRETT.—At Holy Trinity Church, Eastbourne, on February 24, William Mitchell Millar, M.P.S., F.S.M.C., F.B.O.A., Beith, Ayrshire, late of Alexandria, Dumbartonshire, to Doris Marjorie Barrett, M.P.S., Boston, Lincs, late of Glasgow.

Deaths

CLARKE.—At his residence, Rose Nook, Long Lane, Bridlington, on February 23, Mr. Andrew Clarke, retired chemist and druggist, aged sixty-nine. Mr. Clarke went to reside at Bridlington about six years ago on retiring from business in West London.

DRUCE.—At Oxford, on February 29, Alderman George Claridge Druce, M.A., D.Sc. (Oxon), Hon. LL.D. (St. Andrews), F.R.S., Ph.C., J.P., aged eighty-one. With the passing of Dr. Druce botany loses one of its most distinguished figures. Of late years his ties with pharmacy had become, to use his own words, somewhat slender; yet he was present at the annual meeting of the British Pharmaceutical Conference as recently as July 1930, and made a characteristic speech at the opening session. George Claridge Druce was born at Potters Pury, Northamptonshire, and was educated privately. He was successively apprentice and assistant to the late Mr. Philadelphus Jeyes, Northampton, passing the Minor examination in November 1871 and the Major in January 1874, in both cases with honours. A few years later he purchased a business at 118 High Street, Oxford, which had been an apothecary's shop from the early part of the eighteenth century. Even in the 'seventies Mr. Druce (as he then was) had already laid the foundations of his world-wide fame as a botanist. In 1879 he issued his "Flora of Northamptonshire," and this was followed by the Floras of Oxfordshire, Berkshire, West Ross-shire, and Buckinghamshire, "Mosses and Hepatics of Oxfordshire" and "The Dubious Plants of Britain," among other works, and many articles on botany in the Victoria County History. "The Flora of Berkshire" was dedicated to Queen Victoria. For several years from 1881 onwards he was an examiner to the Pharmaceutical Society of Great Britain; eventually the claims of civic and academic life led to his relinquishing his connection with pharmacy, but not till after his presidency of the British Pharmaceutical Conference at its Dublin and Dundee meetings (1901-02), at the former of which he delivered a long-remembered survey of nineteenth-century science. By this time Dr. Druce had become a kind of *liaison* officer between the City of Oxford and the University. Elected to the City Council in November 1892, he held office as Sheriff in 1897 and Mayor in 1900. In 1889 the University appointed him Fielding Curator in the Botanic Garden, and he was attached to Magdalen College as Hon. M.A. by decree. The D.Sc. degree followed several years later, and was taken by the regular academical method. He rearranged the nine collections of plants in the Fielding Herbarium, and published "The Dillenian Herbaria" (1907) and (with Professor S. H. Vines) "An Account of the Morisonian Herbarium" (1914); a general account of the Fielding Herbarium, in two parts, was also issued by the same authors. Accounts of this magnificent collection of specimens will be found in THE CHEMIST AND DRUGGIST, 1901, II, 160; 1923, I, 946. Among the many new plants discovered by Dr. Druce are *Bromus interruptus* and *Potamogeton Drucei;* a carving representing the latter forms one of the decorations in the University Museum at Oxford. In addition to his unique knowledge of British flora, he formed in the course of his botanical expeditions a practical acquaintance with the field botany of many countries. Soon after going to Oxford he founded the Oxfordshire Natural History Society, the success of which led to its amalgamation under his presidency with the older Ashmolean Society. Of late years his routine work was the secretaryship of the Botanical Society and Exchange Club of the British Isles, a task which involved the annual revision of Hayward's Botanist's Pocket Book and an amount of correspondence which might have dismayed many a younger man. His large private herbarium was always at the service of the Society, and, indeed, of many other people. In May 1930 his eightieth birthday was celebrated by a reception, at which he was presented with a cheque on behalf of the Society; he received hundreds of congratulations on the event from all parts of the world. After the discussion of alternative plans, this testimonial took the form of a portrait, a replica of which Dr. Druce presented last December to the City of Oxford. In the course of his busy and successful life he found time for work in aid of the masonic lodges (including the Grand Lodge) with which he was associated, and especially for the laborious duty of hunting up subscriptions for benevolent funds; he was also an active member of the British Association, and delivered Christmas lectures at the University Museum for nearly thirty years. Everyone who had the privilege of knowing this great botanist and pharmacist will treasure the memory of his genial personality and of the ease with which he carried his erudition.



Photo] [*Elliott & Fry*

DR. G. CLARIDGE DRUCE

MCMULLAN.—At his residence, Ardville, Marino, co. Down, on February 26, Mr. William McMullan, R.D., chairman and a managing director of Thomas McMullan & Co., wholesale druggists, 40-44 Victoria Street, Belfast. Mr. McMullan, whose business was established by his father, Mr Thomas McMullan, about seventy-five years ago, took a keen interest in everything pertaining to the commercial and industrial welfare of the city, being a past-president of Belfast Chamber of Commerce. He also represented Windsor Ward in the Belfast Corporation for six years, and, had he been so inclined, might have been elected to Parliament. He was an ex-Rear Commodore of the Royal Ulster Yacht Club, and a member of the Royal North of Ireland Club. He was also a member of the Royal County Down Club. His brother, Sir Thomas McMullan, formerly a member of the Northern Ireland Parliament, is on the Council of the Pharmaceutical Society of Northern Ireland. Mr. McMullan is survived by a widow and a daughter.

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Information Department

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

E/13. Barkola compound (present address)
B/13. Contraps (present address)
T/182. Lealmain liquorice stick
B/13. Tripolite powder
S/232. Loder bottle-making machine
P/13. Radium pencil for making radio-active water
H/262. Suntex hygienic absorbent gauze

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Science and Industry

THE application of the results of scientific research to the problems of industry is no novelty in this country. Of fairly recent development, however, is the organised effort in industrial research by means of the establishment of recognised technical services as an essential part of the business of production. That industry in general is proving itself increasingly anxious to take advantage of applied science is evident from a perusal of the annual report of the Department of Scientific and Industrial Research for the year 1930-31 (Stationery Office, 3s.), wherein is summarised the work carried out under the auspices of the various research organisations of the Department. The report covers a wide field, practically every branch of industry being represented. Although some economy in expenditure has become necessary, it is satisfactory to note that, as far as possible, the invaluable service rendered to industry by the Department will in no way be impaired. To the drug trade the most interesting sections of the report are, perhaps, those devoted to food investigation and chemical research. In connection with the former a study of lipase in the livers of various species of fish has been commenced with the object, first, of exploring the retrogressive changes which take place in the liver fat after the death of the fish, and, secondly, of studying the metabolism of fat in the living fish, in which the liver enzymes play so fundamental a part.

Vitamins in Fish Livers

The unsaponifiable constituents of fish oils are also being studied. In the liver of the angler fish, for example, a characteristic and unique pigmentation was observed; such of its properties as have already been examined strongly suggest a carotinoid substance; no other fish's liver yet examined contains this pigment, and its study may throw some light on the conversion of carotene into vitamin A in the liver of animals. The nature of vitamin A as it occurs in the fats of fish, and the colour test for it, are being closely studied. The validity of the colour test (antimony trichloride) is called into question, and claims made that the oil prepared by autoclaving fresh cod livers in sealed tins failed to respond to this test on first opening the tins, but gradually recovered its chromogenic power on standing, were substantiated to some extent, although not completely.

Chemical Research

Chemical research carried out by the Department includes work on such subjects as corrosion, high pressure, chemotherapy, synthetic resins and water pollution. Many new organic compounds are stated to have been prepared, analysed, and submitted for examination to the committee on chemotherapy, and although the results of these tests are very frequently negative, two promising indications of therapeutic activity have been revealed. Successful attempts have been made to prepare phenol-formaldehyde resins from the phenolic fractions of low temperature tar. Useful work, it would appear, has been done by the various industrial research associations, a *résumé* of whose activities occupies no inconsiderable portion of the report. The total cost of the Department for the year under review was £555,691

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

QUALITATIVE ANALYSIS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, March 8, on which day the samples will be posted. Students' reports will be received up to Saturday, March 19. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fifth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who have not passed in Chemistry in the Preliminary Scientific examination in Great Britain, in the Licence examination in the Irish Free State, or in Chemistry, Part I, in Northern Ireland, which fact *must be attested on their reports*. They will not be awarded to former winners of tournament prizes

«C. & D.» Retail Price List

THE drug index for February was 132.0, against 131.6 for the previous month, or 128.3 in 1931. Small but steady advance in prices is being made. The new fiscal policy may have further effect later on, but at present there is little indication of general advance. In surgical dressings the figure remains the same, 135.0, as against 158.6 in February, 1931. Important changes in prices are set out below, the most notable being in iodine:—

Cost			Selling Price			
			16 oz.	4 oz.	1 oz.	1 dr.
d.	per		s. d.	s. d.	s. d.	s. d.
15	oz.	Creosoti carbonas ..	—	—	2 2	0 4
33	oz.	Iodoformum	—	—	4 10	0 10
30	oz.	Iodum resubl.	—	—	4 5	0 8
66	lb.	Lin. potasii iodidi c. sapone	—	2 5	0 9	—
40	lb.	Liq. bismuthi conc.B.P.C.	—	—	0 6	0 2
19	lb.	Liq. bismuthi et am. cit.	—	0 10	0 3	—
28	lb.	Liq. hamamelidis ..	3 6	1 0	0 4	—
21	lb.	Lobeliæ pulvis	—	0 9	0 3	—
27	oz.	Menthol	—	—	4 0	0 7
11	oz.	Ol. limonis	—	—	1 8	0 3
10	oz.	Ol. limonis (Messina) ..	—	—	1 6	0 3
10	oz.	Phenacetinum	—	—	1 6	0 3
285	lb.	Potassii iodidum ..	—	9 6	2 6	0 5
24	oz.	Sodii iodidum	—	—	4 6	0 8
72	lb.	Tr. iodi mitis	9 0	2 9	0 9	0 2
60	lb.	Ung. iodi	—	2 2	0 8	0 2
51	lb.	Ung. iodi denigrescens	—	1 10	0 6	—
51	lb.	Ung. iodi denigresc. N.H.I.	—	1 10	0 6	—

Pharmaceutical Society of Great Britain

Council Meeting

A meeting of the Council was held at 16 Bloomsbury Square, W.C.1, on March 2, Mr. A. R. Melhuish (president) in the chair. An apology for absence was read from Mr. Keall, who wrote regretting that he might not be able to get to the meeting in time.

Tuesday's Proceedings

Among the business transacted on March 1 was the following item:—

It was decided that it was desirable to record and publish what should be the attitude of the Council towards the Pharmacy and Poisons Bill in the event of its being introduced into Parliament, and it was agreed that that policy should be stated in the following terms:—

(*a*) "That in the event of the Pharmacy and Poisons Bill (with the agreed amendment to Clause 17) being reintroduced by the Government, the Council will withdraw its opposition and give such assistance to the passing of the Bill as may be open to it.

(*b*) "That this policy be dependent upon there being no amendments made to the Bill which affect pharmacists adversely and upon the Government being prepared to oppose any such amendments should they be moved."

Deaths

The President made sympathetic reference to the deaths of Mr. Frederick Boothroyd, Ph.C., Blackpool, and Dr. George Claridge Druce, Oxford. Mr. Boothroyd, he reminded the Council, was a former chairman of the local branch, a past-chairman of the Blackpool Pharmaceutical Committee, and an original member of the Insurance Committee. Dr. Druce had not only carried on a very successful business in Oxford, and taken a leading part in municipal affairs, but he was closely identified with university life. His chief work was as a field botanist, and he had been justly described as the first English field botanist of his generation. He had been honoured by universities and learned societies, possibly more than any other English pharmacist, and had received the coveted distinction of a Fellowship of the Royal Society. He had done his work well and faithfully, and his merit had not gone unrecognised. All would mourn the passing of a very old friend and a loyal colleague.

The members of the Council stood in silence as a tribute.

Elections and Restorations

Fifty-six persons were elected as members of the Society, and thirty-six as student-associates. A number of persons were restored to membership of the Society. The registrar reported that eighty-five persons had been registered as apprentices or students.

The annual meeting and election of the Council were fixed to take place on May 18.

Admission of Members to Council Meetings

Mr. Neathercoat, in accordance with notice of motion, moved the following resolutions:—

That it is fitting in the administration of a democratic organisation by a popularly elected Council and expedient for retaining the interest of members in the Council's activities that members of the Society should be admitted to certain meetings of the Council.

That such admittance should be confined to the meetings of the Council held on the first Wednesday of each month and restricted in accordance with the accommodation available and subject to rules to be made forthwith by the Council.

Mr. Neathercoat said the proposal as he had drafted it was very largely self-explanatory, and called for very little from him in recommending it to members of the Council. He did not claim to be the originator of the suggestion underlying the proposal. Such credit as would at any time, either now or hereafter, be given, was undoubtedly due to Mrs. Freke, who mentioned the matter at the last meeting, and was the first one, to his knowledge, to bring it to light. He approached this question seriously. He had reflected carefully upon the possible reactions, both inside and outside the Society's house, to the proposals, and he was not alarmed or disturbed by what might be called their democratic or revolutionary character. He was not out for notoriety. (Cries of "Oh" and laughter.) He was not up for election this year.

The President: Is it necessary to make this disclaimer?

Mr. Neathercoat: The ribald laughter called for it. The principle of the proposals, Mr. Neathercoat continued, did not in his opinion resolve itself into a question of the privacy or otherwise of the Council's administrative work. He approached it from an entirely different point of view altogether, and what he wished to say was not only for the Council, but a much wider field outside. The Council was a popularly elected body, elected to carry out the considered opinions of the members of the Society; and he, therefore, suggested that it was only right that the members of the Society should have full opportunity of keeping in close contact with, and taking a more intimate interest in, the general activities and work of the Council. He said the members should have an opportunity of doing this, and he left it at that. He was not suggesting that any large section of the members wished to avail themselves of the opportunity the Council provided, even if the Council decided to provide it. But he wanted to remind the Council that their work had been always—and it was right and expedient that it should always continue to be—carried on as far as possible with as much publicity as possible. They had made a point of supplying all the information they could as to their work to members of the Society. It was in furtherance of the principle in question that for a great many years they had deliberated, with representatives of the pharmaceutical Press present to make more or less full reports of the Council's proceedings. So far as he could find out there was nothing either in the Society's Charter or by-laws, or in the standing orders, against the present proposals. But in order to remove any fears on the part of members of the Council, and to dispel any nervous susceptibilities in their minds, he wanted to point out that he had inserted what he thought were proper safeguards for the Council's work in the future. He submitted the proposals for the earnest consideration of the Council. He thought this was a question of public policy, in keeping with modern ideas of public administration, and he asked the Council to confirm that policy and establish it for the future, based on the principle he had put forward.

Mrs. Freke, seconding the resolution, recalled that at the last meeting she had put a simple question to the President and had received a simple answer. The question was as to whether members were entitled to attend meetings of the Council when public business was being conducted. It had been suggested on that occasion that the Council were to be considered in the same light as directors of a company, whose meetings were not open to their shareholders. But directors of companies did not hold meetings to which the Press was admitted without allowing shareholders to attend also. She, however, did not see fundamentally the necessity for going further into the matter, because she had asked a simple question and got a simple answer.

Mr. Antcliffe moved that a vote be taken straight away without any further discussion.

Mr. PARRY moved an amendment that members of the Society should be admitted to meetings of the various committees as well as to the Council meetings. He said he supported Mr. Neathercoat as far as he went, but in his (the speaker's) view he did not go far enough. The motion as it was was nothing but a fraud. It would humbug members into the belief that they were seeing the work of the Council if they attended the monthly meetings. But the real work, as they all knew, was not done at the monthly meetings. What happened on such occasions was window dressing, and for members to understand what was really being done it was essential that they should have a right to attend meetings of the committees.

Mr. HUMPHREY formally seconded the amendment; only Mr. Parry and he voted in favour of it, and it was declared lost.

Mr. ANTCLIFFE then moved that the question be put, and this was seconded by Mr. JACK and carried.

When the resolution was voted on there were eight members for and eight against.

The PRESIDENT said it did not always happen that when a chairman found the balance was on one side or the other he himself voted. He usually said simply that the motion was not carried. But in the light of the reply he had given to Mrs. Freke last month, he was prepared to vote in favour of the present motion, which meant, of course, that it was carried.

Mr. NEATHERCOAT asked that the names of members and the way they had voted should be recorded, but many of the members objected.

The PRESIDENT said he did not think the names should be recorded in public, but they might be entered on the minutes. The Council then went into committee.

On the resumption of public business, Mr. JACK said if Mr. Neathercoat's request was granted it would be equivalent to taking a second vote. He should have made the request before the first vote was taken. He himself would not take any part in a second vote. Other members agreed with Mr Jack, and, after further discussion, it was decided that the secretary should read the names of members and state how they had voted. Certain members made no answer when their names were called, but the voting, as announced, was as follows:—

For, the president, vice-president, Mr. Atkinson, Mr. Deacon, Mrs. Freke, Mr. Hardy, Mr. Marns, Mr. Neathercoat, Mr. Peck—nine; against, Mr. Bilson, Mr. Humphrey, Mr. Jenkin, Mr. Simmons—four; abstained from voting, Mr. Antcliffe, Mr. Beardsley, Mr. Guthrie, Mr. Jack, Mr. Parry, Mr. Rowsell—six; absent, Mr. Keall, Mr. Skinner—two.

The matter of revision of the Council's procedure at the open meetings and arrangements for accommodation were remitted to the Establishment Committee, who were asked to make recommendations to the Council.

Mr. BEARDSLEY moved that the notes of the discussion at the last meeting of the Council be published. He thought this step should be taken in fairness to members.

Mrs. FREKE pointed out that the real discussion on that occasion was as to whether the question put to the president and his answer should be published or not.

The PRESIDENT said that was so. He was in entire agreement with Mrs. Freke. He added that he thought they had made rather a mountain out of a molehill in discussing the matter that day. The time of the Council had been taken up rather unnecessarily perhaps, but on the other hand if good resulted it would not have been wasted.

EDUCATION COMMITTEE

On the report of the Education Committee, Mr. PECK said it was proposed to make certain alterations in the registration regulations, and suggested that they should be discussed in committee, and the amendments, when decided upon by the Council, should be distributed to the members.

Mr. PARRY objected to the reports being taken in committee. The admission of members to meetings of the Council had been discussed in a supercilious way, and he was in favour of a similar concession in regard to committee meetings. Otherwise the whole thing was a sham. Let them be honest with themselves as well as their members. If they were going to have publicity, let it be full publicity and not sham publicity.

The PRESIDENT said it must be obvious that there were certain matters which must be taken in committee before they reached the stage at which they could be made public.

The other members agreed with this view, but Mr. PARRY still demurred, saying he was in earnest.

BENEVOLENT FUND COMMITTEE

The report of this committee showed that twelve applications had been received, and grants made ranging from £10 to £26. The following special contributions were acknowledged:—Rhyl Branch, £22 15s.; Monmouth and Newport Branch, £13 5s.; J. E. Alcock, £10 10s.; Stockport and District Branch, £10; West Middlesex Branch, £8 15s.; Bolton and District Branch, £5 5s.; Mr. and Mrs. Freke £5 5s.; H. R. Matthews, £5 5s.; Sheffield and District Branch, £3 8s.; Birmingham Pharmaceutical Association, £3 5s. 7d.; Anglesey Branch, £1 16s.; Stockport Branch, £1 1s.; North-East Lindsey Branch, £1; S. C. Blore, 7s. 6d.; F. G. Holoran, 7s. 6d.

Mr. BEARDSLEY made grateful reference to the practical interest in the fund indicated by the contributions. The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

The Committee reported that since the last meeting they had received six applications, and one grant of £26 had been made. The report was adopted.

Mr. PARRY again objected when it was proposed to take another report in committee, and declared that he was against any report being taken in committee with the exception of those of the Law and Publications Committees.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £28 12s. 1d., amounted to £7,129 11s., comprising the following items:—Subscriptions, £4,855 14s. 6d.; registration fees, £220 10s.; examination fees, £178 10s.; restoration fee, £1 1s.; Pharmacological Laboratories, £110 15s. 6d.; penalties, £96 1s. 10d.; rentals, £75 6s. 3d.; "Pharmaceutical Journal," advertisements, etc., £964 15s. 8d.; Quarterly Journal, £71 4s. 6d.; "Pharmaceutical Pocket Book," £28 2s. 3d.; Registers, £25 16s. 6d.; examination papers, £7 4s. 4d.; Pharmaceutical Press publications, £17 19s. 5d.; B.P. Codex, £92 0s. 3d.; "Forensic Pharmacy," £28 14s.; F.S.S.U. contributions, £12 5s.; insurance commission, £9 11s. 7d.; from deposit account, £300; sundries, £5 6s. 4d. Payments ordered at the last meeting amounted to £7,080 17s. 11d., leaving a balance of £48 13s. 1d. The balances on the other accounts were:—Benevolent Fund (current account), £18 8s. 4d.; Benevolent Fund (donation account), £41 9s. 7d.; War Auxiliary Benevolent Fund, £17 19s. 3d.; Orphan Fund, £49 11s. 10d. The report recommended that accounts amounting to £6,214 4s. 9d. be paid, and that the action of the secretary in making payments amounting to £1,034 11s. 3d. be approved. The report was adopted.

BRITISH PHARMACEUTICAL CONFERENCE EXECUTIVE

The report of the Conference Executive Committee stated that a letter was read from the London County Executive intimating that the Conference would be invited to meet in London in 1933. Messrs. Hay and Dugan reported the arrangements which had been made to date for the meeting in Aberdeen commencing on September 12, 1932.

LAW COMMITTEE

The report of the Law Committee presented by Mr. Marns, stated that in England and Wales since the last report, 889 shops have been visited; of these 455 were chemists' shops. In all chemists' shops a certificate was exhibited. At fourteen of the remaining 423 shops certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, eighty shops have been visited; of these seventy-nine were chemists' shops. In all the chemists' shops certificates were exhibited.

This was all the public business.

Import Duties Act, 1932

THIS legislation passed through its final stage in the House of Lords on Monday, February 29, and received the Royal assent the same day. Except that a number of articles were added to the free import list, and that the clause providing for no additions to the free import list until at least six months after the passing of the Act has been modified to permit the immediate addition to the free list in such cases as the Advisory Committee deem to be of special urgency, the measure, as originally introduced, has undergone little alteration. The duties imposed under the Act came into force on Tuesday, March 1. On and from that date Customs are authorised to collect a duty equal to 10 per cent. of the value of all goods imported into the United Kingdom, with the following exceptions:—All goods grown or produced in and consigned from the British Empire; all goods which are liable to some other duty of Customs; and the following goods of interest to the chemical industry are scheduled in the Act as exempt from the general *ad-valorem* duty.

Whale oil, produced or manufactured in floating factories which are British concerns.

Cottonseed, rapeseed, linseed and soya beans. Rubber (raw), including crêpe; rubber latex; gutta-percha (raw).

Sulphur, Mineral phosphates of lime.

Potassium carbonate, chloride and sulphate; Kainite and other mineral potassium fertiliser salts.

Cinchona bark; radium compounds and ores.

The Advisory Committee

The Treasury have notified the appointment of Sir George May as Chairman, and Sir Sydney Chapman and Sir G. A. Powell as members of the Advisory Committee, with Mr. Percy Ashley, C.B., of the Board of Trade, as secretary. The offices of the Committee will be at Caxton House, Tothill Street, Westminster, London, S.W.1. The duties of the Advisory Committee are clearly defined in the Act. The Committee will consider representations made by interested parties seeking either for an increase in the rate of duty levied on particular classes of merchandise, or for particular classes of goods to be added to the free import list. The Advisory Committee is given exceedingly wide powers to demand the attendance of witnesses and to take evidence on oath; it is empowered to call for the production of all documents, etc., that in any way relate to the subject of its investigations. The Committee will formulate its own rules of procedure. It is not known whether any or all the meetings of the Committee will be open to the public. The Treasury is not bound to accept and act upon any recommendations made by the Committee. No information is available as to whether the Committee will publish official notices of receipt of requests for additional duties or exemption from liability to duty, and invite interested parties to make representations on the subject.

The Board of Trade

The Board of Trade is empowered to make regulations for the purpose of ascertaining whether any goods are free imports as being consigned from and manufactured in a part of the British Empire. In the case of goods partly manufactured in the Empire it is probable the department will specify the percentage in value of raw material and labour that will entitle such goods to claim the preference. The percentage is likely to be not less than 25 per cent. of the value of the goods. With a view to obtaining information as to the condition and progress of any industry in this country the department is authorised to call for annual returns, giving the following details:—(*a*) Quantity and value of output; (*b*) quantity and cost of raw materials used; (*c*) quantity and cost of fuel and electricity consumed; and (*d*) number of persons employed in the industry. The department is directed to present to Parliament each year a summary of the information obtained by them. The department, and not the Advisory Committee, will deal with the imposition of discriminatory duties to be imposed against goods manufactured or grown in and consigned directly or indirectly from any foreign country.

Customs Regulations

The Board of Customs has issued Notice No. 204 for the guidance of importers. Copies may be obtained at all Customs offices throughout the United Kingdom. The Notice deals with the procedure to be followed for entering and clearing goods intended for consumption in this country, lodging goods in bonded warehouses, etc. The chief points are that all goods, whether dutiable or free imports, must be landed at wharves, quays and other places approved by Customs, unless special permission has been previously obtained to land them at some unauthorised place. Goods must be entered prior to landing. The value of the goods for the purpose of assessing the amount of duty payable will be deemed to be the price which an importer would give for the goods on a purchase in the open market at the port of importation, in bond. Customs entries must be made within fourteen days of the arrival of the goods. Eight different forms of entry are provided, covering dutiable and free imports; goods which it is desired to place in bond and goods imported for the purpose of treatment and re-exportation. The forms of entry, with the exception of Form C.105, which is supplied free by Customs, can be purchased from stationers licensed to sell Customs forms. As evidence of value importers will be required to produce in duplicate foreign exporter's invoices, with freight notes, particulars of insurance and all other charges incurred up to the time of arrival of the goods at the port of importation. A dispute has arisen out of the claim by Customs that landing charges and P.L.A. dues must be included as part of the value of the goods on which the duty is assessed. Values shown on invoices in foreign currencies will be converted into sterling at the rate of exchange current on the date of the report of the importing ship. Entries may be made by the importing firm, through their duly authorised employee, or through a duly authorised forwarding agent, except that the declaration to be made on Form C.105 must be made by the importing firm; it cannot be made by a forwarding agent. Duty must be paid at the time the entry is lodged with Customs.

Bonded Warehouses

Goods may be entered for deposit in any bonded warehouse approved for such goods, either at the port of importation or elsewhere. If the warehouse is situated elsewhere than at the port of importation, the goods will be examined at the port of landing and removed to the bonded warehouse under security of a bond given by the importer. Goods may be delivered from a bonded warehouse either (*a*) for home consumption on payment of the duty, (*b*) for immediate re-exportation, or (*c*) for removal under bond to another bonded warehouse. Reasonable re-packing will be allowed, and it will be permissible for home-manufactured goods to be taken to a bonded warehouse for packing with bonded goods. No manufacturing operations will be permitted in bonded warehouses. The duty payable if the goods are ultimately removed from bond for home consumption will be calculated on their value when first warehoused. The rate of duty payable on goods taken out of bond for home consumption will be that in force at that time. Bonded goods will thus be liable to any increase in the rate of duty made while they are on deposit. In the other direction, if a particular class of goods is added to the free list all such goods, although dutiable at the time of landing, would be delivered out of bond free of duty.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, March 3

After the recent rush of business the spot markets are now comparatively quiet, but the tone in almost every direction is steady to firm. The quoted landed and duty-paid values for goods liable to the 10 per cent. import tax have in some instances been moved up accordingly, but these figures are mostly nominal, there being sellers at lower rates. In other cases, owing to stocks being plentiful, prices have not yet moved to the full extent of the duty; this development will, no doubt, take place gradually, unless the increased landed costs are balanced by an improvement in sterling. Gradual but persistent recovery in sterling exchange rates is again recorded, and further appreciation is anticipated. In pharmaceutical products business has been fairly good, and makers in particular seem to have been enjoying a spell of good business, and the question of prompt delivery is proving difficult in one or two instances. Dealers' prices for all products which have to be imported are nominally advanced on the 10 per cent. import duty, but for some little while there are likely to be sellers at comparatively bargain prices. Cream of tartar, citric and tartaric acids are steadier so far as dealers are concerned with imported material. In crude drugs business has been rather quieter, but the spot markets are all steady. One or two products are quoted at dearer rates on account of the import duty, but these higher prices are not yet generally obtained. Mercury for shipment is unchanged, but spot is dearer. Rubber has reached very low rates. Honey is firm and scarce, and the new crop will be late. Benzoin has been in active demand, and is dearer. Tragacanth has also been in good request. In essential oils a number of products have been marked up for spot goods to account for the import duty, but only in the cases where spot stocks are limited are these higher prices being paid. There is still no news of the bergamot Consortium prices for this market. Coal-tar products are all about unchanged. Carbolic acid crystals are now offering up to the end of the year. Pitch is sold out for this season. In the fixed oils section business has been moving fairly well, and prices are generally maintained, except that palm oils have lost ground. American turpentine is steady and dearer. Linseed oil (raw, naked) is quiet and rather easier.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	March 3	Value of the £
Amsterdam ..	Fl. to £	12.107	8.64½	14/3½
Berlin.. ..	Mks. to £	20.43	14.65	14/4½
Brussels ..	Belga to £	35	25 1/16	14/3½
Copenhagen ..	Kr. to £	18.159	18.15	19/11¾
Lisbon ..	Esc. to £	110	110	20/0
Madrid ..	Ptas. to £	25.22½	45⅜	35/9
Milan	Lire to £	92.46	67¼	14/4½
Montreal ..	Dol. to £	4.86⅔	3.94½	16/2½
New York ..	Dol. to £	4.86⅔	3.48⅜	14/3¾
Oslo	Kr. to £	18.159	18 7/16	20/3½
Paris	Fr. to £	124.21	88½	14/3
Prague ..	Kr. to £	164.25	117½	14/11½
Stockholm ..	Kr. to £	18.159	18⅛	19/11½
Warsaw ..	Zloty to £	43.38	31	14/3
Zurich ..	Fr. to £	25.2215	18.02½	14/3½

Bank rate 5 per cent.

Pharmaceutical Chemicals, etc.

The amount of business has been fairly satisfactory and the tone is generally steady. Makers appear to have been doing quite good business in a number of important lines, salicylates being a feature. Dealers' prices for the products not at present made here are all nominally advanced on spot to cover the 10 per cent. duty, but in most instances it will be some little time before they operate for business. In the meantime there are likely to be sellers at below replacement costs. Cream of tartar is firmer, and citric and tartaric acids tend to harden on spot.

Acetanilid is steady at former rates; market quiet: B.P. crystals and powder, 1s. 6¼d. to 1s. 7¼d. per lb. as to quantity.

Amidol is unchanged, with business not of much importance: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins; higher prices for smaller quantities.

Amidopyrin.—Dealers' prices have advanced with the operation of the import duty. There may be spot sellers at lower rates: crystals, five cwt., 18s. 6d.; two cwt., 18s. 10d.; less than two cwt., 19s. 9d. per lb., with powder 2¼d. per lb. extra.

Aspirin.—Home makers' prices are firm and business continues on a good scale. Some imported supplies are available. Home trade: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s 10d.; 7 lb., 3s.; 1 lb., 3s. 4d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d. per lb., f.o.b.; less than one cwt., 2s. 9d. per lb., ex works.

Barbitone.—Dealers' prices on spot are firm and dearer: spot, one cwt., 12s. 3d.; smaller parcels, up to 13s. 3d. per lb.

Benzonaphthol continues to be quoted on spot from 3s. 7d. to 3s. 9d. per lb., as to quantity.

Benzoic acid (B.P.).—The market is very steady and business is fairly active: quantities, ex works, 1s. 11d.; spot parcels, 1s. 11½d. to 2s. per lb., ex store, as to quantity.

Bromides.—Makers' prices are maintained and they are reported to be meeting competition from importers: ammonium, not less than five cwt., 1s. 7d.; one cwt., 1s. 8d.; smaller quantities, 1s. 11d. per lb.; potassium, B.P. crystals and granular, not less than five cwt., 1s. 4d.; one cwt., 1s. 5d., and smaller quantities, 1s. 8d. per lb.; sodium, B.P., not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; and smaller quantities, 1s. 10d. per lb. Special prices for bulk quantities. Quoted without engagement.

Butyl chloral hydrate continues steady, with the market rather dull: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

Calcium lactate is meeting with a sustained demand and the market is steady but competitive: spot, 1s. 2d. to 1s. 3½d. per lb. as to quantity.

Chloral hydrate.—Home makers' prices are maintained, with Continental material non-competitive: duty-paid crystals, in 14-lb. containers, ten cwt., 3s.; five cwt., 3s. 0½d.; one cwt., 3s. 1½d.; 56 lb., 3s. 2½d.; 28 lb., 3s. 3d. per lb., and in 28-lb. jars one penny per lb. extra.

Citrates.—Makers' prices are as follows: potassium citrate, B.P., 1s. 7d.; sodium citrate, B.P.C., 1923, 1s. 8d.; ferri ammon. cit., B.P. (brown), 1s. 9d. per lb., in 28-lb. lots; 7-lb. lots, 5d. per lb. dearer.

Citric acid (B.P. crystals).—Dealers' prices tend to become firmer, with prices now at about 1s. 1½d. per lb., less 5 per cent., carriage paid, for imported material. British makers quote 1s. 1¼d. per lb., less 5 per cent. discount.

Cocaine. — Controlled prices for this market are unchanged: hydrochloride, 25 oz., 20s. 11d.; 16 oz., 21s. 7d.; and less, 22s. 3d. per oz.; pure, 22s. 11d. up to 24s. 4d. per oz.; 1-oz. tins, 2½d. extra.

Cream of tartar.—Supplies of imported material on spot are reported to be restricted, and the price has moved up to about 105s. to 106s. per cwt., less 2½ per cent., carriage paid. British makers quote 99 to 100 per cent., 103s. 6d. per cwt., less 2½ per cent. discount.

Creosote (B.P.).—The spot market is firm as quoted at about 2s. 1d. per lb. for bulk quantities in 25-kilo demijohns; small parcels, up to 2s. 3d. per lb.

Guaiacol carbonate.—Dealers' prices show an advance on account of the import duty; some spot offers may be cheaper: spot, five cwt., 8s. 6d.; two cwt., 8s. 7½d.; one cwt., 8s. 10d.; smaller parcels, up to 9s. 2d. per lb.

Hexamine.—A very fair business continues, with prices maintained on a keen market: free-running crystals, spot, from 2s. 8d. to 3s. 1d. per lb. as to quantity.

HYDROQUINONE.—Importers' prices are steady, with no alteration at the moment, although arrivals are now liable to 10 per cent. duty: ten cwt., 4s. 8¾d.; five cwt., 4s. 9½d.; two cwt., 4s. 10¼d.; one cwt., 4s. 10¾d.; 56 lb., 4s. 11¾d.; 28 lb., 5s. 1¾d.; 14 lb., 5s. 3½d.; 7 lb., 5s. 5½d.; 1 lb., 6s. per lb., carriage paid.

LACTIC ACID (B.P.).—Home makers' prices are steady and business is sustained. Some imported material is competitive: bulk quantities, from 1s. 5½d. to 1s. 8d. per lb., in carboys; higher prices for small quantities in winchesters.

METHYL SALICYLATE (B.P.).—Quoted prices are now fully maintained; business has been good: one ton and over, 1s. 4½d. ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d. per lb.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices have advanced with some few spot lots possibly at rather cheaper rates: two cwt., 19s. 4¾d.; one cwt., 20s.; 56 lb., 20s. 6¾d.; small parcels, 21s. 2d. per lb.

METOL is steady but rather quiet: 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d. per lb., in tins; bottles extra, and higher prices for smaller quantities.

MILK SUGAR.—Spot values are so far unaltered for Continental material. The market is firm and tends to advance: one ton, 58s. 6d.; ten cwt., 59s. 6d.; two cwt., 61s. per cwt., in two-cwt. cases.

PARAFORMALDEHYDE has been of interest, and the market is steady although competitive: 100 per cent. powder, quantities in kegs, 1s. 2⅞d.; smaller parcels up to 1s. 5d. per lb.

PARALDEHYDE.—The market is firmer at from 1s. 1d. to 1s. 5d. per lb., as to quantity and packing.

PHENACETIN.—This market is irregular. At the moment there are a few sellers at comparatively cheap prices, while in other quarters spot prices are carrying the ten per cent. duty; supplies on spot seem to be fairly free: crystals, ten cwt., 5s. 8d.; five cwt., 5s. 10d.; two cwt., 5s. 10½d.; and less, 6s. per lb., with powder 2¼d. per lb. extra.

PHENAZONE.—This market is firm and spot supplies are rather restricted; very little, if any, material offering at cheaper prices: crystals, ten cwt., 10s.; five cwt., 10s. 3d.; two cwt., 10s. 6d.; and less, 10s. 9d. per lb., with powder 2¼d. per lb. extra.

PHENOLPHTHALEIN.—The market is about steady and competitive at home makers' prices: ten cwt., 4s. 3d.; two cwt., 4s. 6d.; less than two cwt., 4s. 10d. per lb.

POTASSIUM PERMANGANATE (B.P.).—Dealers' prices for spot material are firm; business has been brisk: spot, quantities in drums, 8½d. to 8¾d.; smaller parcels, 9¼d. to 9¾d. per lb.

POTASSIUM SULPHOGUAIACOLATE. — Dealers' prices have advanced on spot and the market is firm as quoted at 5s. to 5s. 3d. per lb., as to quantity.

PYROGALLIC ACID.—Makers' prices are holding steady, market rather quiet: one cwt., 6s. 9d.; 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb. in 7-lb. tins.

QUININE SULPHATE.—The attempt to get this material put on the free list under the Import Duties Act did not succeed. The controlled price for this market is so far unchanged at 2s. 5d. per oz., carriage paid on bulk quantities.

RESORCIN.—Dealers' prices have been advanced, as follows: spot, crystals, one cwt., 4s. 4d.; 56 lb., 4s. 5d.; 28 lb., 4s. 6d.; 14 lb., 4s. 7½d.; 7 lb., 4s. 9d.; less than 7 lb., 5s. 3d. per lb.

SACCHARIN.—The controlled price for this market is unchanged: 550, 1-lb., 43s 6d. per lb. duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Home makers' prices are steady. No imported material available: one ton, 1s. 5d.; ten cwt., 1s. 5½d.; five cwt., 1s. 6d.; one cwt., 1s. 6½d.; small parcels, up to 2s. per lb.

SALOL is dearer on quotation; there may be some sellers at slightly less: crystals, two cwt., 5s. 6d.; one cwt., 5s. 8d.; 56 lb., 5s. 9d.; smaller parcels, 5s. 11d. per lb.; powder, 2¼d. per lb. extra.

SODIUM DIETHYLBARBITURATE.—Dealers' prices have been advanced; market is firm: spot, 13s. 6d. to 14s. 3d. per lb., as to quantity.

SODIUM SALICYLATE (B.P.).—Home makers' prices are maintained with some Continental material competitive; market is very steady: home trade, powder, two tons, 1s. 10d.; one ton, 1s. 10½d.; ten cwt., 1s. 11d.; five cwt., 1s. 11½d.; one cwt., 2s.; 28 lb., 2s. 1d.; 14 lb., 2s. 3d.; 7 lb., 2s. 4d.: 1 lb., 2s. 7d. per lb., with crystals 1d. per lb. extra.

SULPHONAL.—Dealers' prices have been advanced; there may be some sellers at lower figures on spot: crystals, two cwt., 15s. 6½d.; one cwt., 16s. 1½d.; 56 lb., 16s. 4½d.; less, 17s. 1d. per lb., with powder 2¼d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS). — Dealers' prices for imported material on spot are dearer in the region of 1s. 2d. per lb., less 5 per cent., ex wharf. British makers quote 1s. 1¼d. per lb., less 5 per cent. discount.

Crude Drugs, etc.

AGAR AGAR.—The spot market is steady although rather quiet, and the shipment market shows a small recovery: spot, Kobe No. 1, 4s.; No. 2, 3s. 9½d.; Yokohama, 3s. 9d. per lb. Shipment, Kobe No. 1, 2s. 11½d.; No. 2, 2s. 8½d., Yokohama, 2s. 8d. per lb. c.i.f.

ANTIMONY.—Prices are unchanged and the market is steady: Chinese crude, spot, £22; shipment, £18 c.i.f. Chinese oxide, spot, £34; shipment, £28 10s. c.i.f.

BALSAMS.—*Tolu* continues in short supply on spot, and the market is firm at fully 3s. 6d. to 3s. 8d. per lb. Canada is quoted at 4s. per lb.

BELLADONNA.—Spot stocks of leaves have mostly been cleared; the price for supplies to arrive duty paid is now about 80s. per cwt. Root is quoted from 60s. to 62s. 6d. per cwt., for .05 test.

BENZOIN.—The market is much dearer and most of the cheaper parcels have been cleared. Stocks are reported to be limited and to consist mainly of the finer grades. For well-packed almondy fair seconds fully £8 10s. per cwt. is asked; medium seconds, £8; fair thirds, £7 per cwt.

CAMPHOR.—The demand has been rather quiet, but the market is fully steady: Japanese, spot, slabs, 2s. 9d.; no flowers offering; tablets are scarce and dearer at 3s. 7d. per lb. The shipment market is unchanged; slabs, 2s. 1d.: flowers, 2s. 1½d.; tablets, 2s. 7½d. per lb. c.i.f. Home makers quote: B.P. flowers, one cwt., 3s. 7d.; 28 lb., 3s. 8d.; small lots, 3s. 9d. per lb. Transparent tablets, 4 oz., 8 oz., 16 oz., 3s. 10d.; 1 oz., 2 oz., 3s. 11d.; ½ oz., ⅓ oz., ¼ oz., 4s. per lb.

U.S. imports for 1931 of natural crude totalled 2,099,665 lb., valued $716,175, against 1,058,393 lb. ($419,270) in 1930. Imports of natural refined in 1931 totalled 1,115,779 lb., valued $545,821, against 1,031,584 lb. ($556,672) in 1930. Imports of synthetic in 1931 totalled 1,798,116 lb., valued $587,634, against 2,404,715 lb. ($850,756) in 1930.

CASCARA SAGRADA.—The spot market for 1931 peel is fully maintained at 57s. 6d. per cwt.; shipment is steady at 52s. 6d. per cwt., c.i.f. for bulk quantities.

CHAMOMILES.—The market continues firm with old crop quoted at about 125s. per cwt.

CLOVES.—The spot market shows a slight recovery and is steadier. Zanzibar, spot, 8⅛d.; shipment, February-March, 7⅞d. c.i.f. Madagascar, spot, 8⅛d.; shipment, February-March, 7½d. per lb., sellers, c.i.f.

COCONUT (DESICCATED).—The demand has not been quite so good, but spot values are about maintained. Spot, fine, 33s.; medium, 34s. 6d. per cwt.; halves, afloat, 30s.; shipment, March, 29s. 6d.; April, 29s. sellers, c.i.f.

COD-LIVER OIL. — The fishing reports indicate better weather conditions for the past week. Total catch of cod to date is 18 tons 16 cwt., producing 11,402 hectol of oil. The market, after the recent activity, has been much quieter, but is fairly steady. Finest Lofoten steam-refined non-freezing medicinal oil, 110s. per barrel, c.i.f. Spot is now quoted in the region of 125s. per barrel. Some brands may be cheaper.

DAMIANA LEAVES.—Spot supplies are quoted steadily at about 10½d. per lb.

ERGOT.—Supplies generally are rather limited, and the market is fully steady. Spot, Spanish, 2s. 2½d. to 2s. 3d.: Portuguese, 2s. per lb.; Russian, to arrive, 1s. 11d. per lb. duty paid.

GELATIN.—Spot values show a further slight advance, with the market steady. Gold leaf, 2s. 1½d.; silver leaf, 1s. 11d.; bronze leaf, 1s. 8½d.; thin leaf, 1s. 6½d. per lb., in one-cwt. cases.

GENTIAN.—Fair business has been done with the spot price about 44s. per cwt.

GINGER.—The market is easier and quiet. West African, spot, 25s. 6d.; for arrival, sellers, 21s. per cwt., c.i.f.

GUM ACACIA.—The market has again been rather quiet, but is unchanged and steady. Spot, Kordofan cleaned sorts, 40s.; natural, 38s.; bleached, 85s. to 95s. per cwt. Shipment, Kordofan cleaned sorts, 32s. 6d.; naturals, 30s. 6d. per cwt. c.i.f

HENNA LEAVES.—Indian new crop, good green leaves, are available and quoted at 30s.

HONEY.—The spot market continues firm with practically nothing offering but a few second-hand lots. Californian white clover, 55s.; Jamaica, pale amber to white, 56s.; dark amber, fully 28s. per cwt. The shipment market is quoted fully 10s. dearer than last year. Reports state new crop will be unusually late.

IPECACUANHA.—Although arrivals are now liable to the import duty, the market has not shown much sign of recovery. There has, however, been a little more business moving: spot, Matto Grosso, 5s. 6d. to 5s. 9d. per lb.

LIQUORICE ROOT.—Natural is rather cheaper, with spot offers at about 20s. per cwt.

MALE FERN EXTRACT.—Business has been fair and the spot market is steady at about 5s. 3d. per lb.

MENTHOL.—The spot market for K/S brands has been quieter, but prices are held steady at 16s. 3d. per lb. Shipment is slightly easier, with January-March at 14s. 1½d. per lb. c.i.f.

MERCURY.—The shipment price for Spanish-Italian is unchanged at 65 dollars, f.o.b. Continental port. The spot price is dearer at about £19 per bottle, ex warehouse.

PEPPER.—Spot quotations are about unchanged, while shipment prices are a fraction easier. Business has been quiet. Lampong, spot, 7d.; shipment, March-May, 6½d.; April-June, 6½d. sellers, c.i.f. Tellicherry, spot, 7⅜d.; shipment, March-April, 66s. c.i.f. Aleppy, spot, 7¼d.; shipment, March-April, 65s. sellers, c.i.f. White Muntok, spot, 8½d.; shipment, March-May, 7 11/16d.; April-June, 7 11/16d. sellers, c.i.f.

PIMENTO.—The market is unchanged and quiet: spot, 2¾d.; shipment, March-April, 22s. 3d. per cwt. sellers, c.i.f.

QUILLAIA BARK.—The spot quotation for crushed is in the region of 40s. per cwt.

RUBBER.—Values for all positions show a further decline this week and the market has been dull throughout. U.K. stocks total 125,791 tons, against 126,961 tons a year ago. Standard ribbed smoked sheet, sellers, spot, 2⅜d.; March, 2⅜d.; April-June, 2 7/16d.; July-September, 2 7/16d.; October-December, 2 d. per lb.

SAFFRON.—Spot prices have been advanced with the operation of the import duty: prime B.P., 54s. 6d.; extra B.P., 49s.; super B.P., 49s. per lb.

SARSAPARILLA.—The market is steady; business fair: grey Jamaica, 1s. 5d. to 1s. 6d.; native, mixed colours, 1s. to 1s. 2d. per lb. as to quality.

SEEDS.—ANISE.—Spanish 55s., and Russian now 40s. spot. CANARY.—Mazagan, 16s. 9d. spot. Tangier offering at 16s., Kenitra 15s. 6d., and Larache 15s. 9d. LINSEED.—Spot, Mazagan, 15s.; Morocco, 14s. 6d. CORIANDER.—Morocco, 1929, offering at 17s.; no demand. Russian quoted at 18s. spot. CUMIN.—Malta quoted at 40s., business done at 37s. 6d. spot. Morocco offering at 30s. spot; c.i.f. is 28s. FENUGREEK.—Morocco, spot is 15s. and Tunisian 17s. CARAWAY.—Dutch on spot quoted at 34s. 6d. MUSTARD.—English is 22s. 6d. to 32s. 6d., according to quality.

SENEGA.—This market is still more or less neglected: quoted at about 1s. 8½d. per lb.

SENNA.—There has been a good demand for really finest selected hand-picked Alexandrian pods; in other directions business is rather slow but prices are steady. Alexandrian manufacturing pods, 4¾d. to 5d. per lb.; Tinnevelly, good quality hand-picked pods, 8½d. per lb.

U.S. imports for 1931 totalled 1,265,735 lb., valued $70,323, against 2,343,037 lb. ($165,505) in 1930.

SHELLAC.—The market has been dull and is rather easier: spot, standard orange, 69s.; fine orange, 80s. to 157s. 6d.; pure button, 87s. 6d.; for delivery, TN sellers, March, 62s. 6d.; May, 64s.; August, 65s. 6d.; for arrival, TN sellers, March-April, 60s. c.i.f.

TRAGACANTH.—Interest has been better than for months past and there has been considerable buying for consumption of the lower grades. Prices have advanced from 5 to 10 per cent.

WAX (VARIOUS).—The markets are now fully steady and business has been better. Japanese is dearer and bees' tends firmer. JAPANESE, on spot, is dearer and firm at from fully 62s. 6d.; CARNAUBA, fatty grey and chalky grey, 75s.; medium yellow, steady, 140s.; fine yellow, 170s. CANDELILLA is unchanged at 90s. per cwt.; SPERMACETI, steady at 9½d. per lb. spot; PARAFFIN is quoted from 25s. to 34s. per cwt. as to melting point; CERESIN is quoted from 35s. to 80s. per cwt. as to colour and melting point; BEES' is firm and in good demand; bleached, discs, £7 15s.; slabs, £7 10s.; yellow refined, £5 15s.; yellow crude, £5 per cwt., spot.

Essential Oils

THE demand for these products has slackened off after the recent activity. Most of the oils are liable to the 10 per cent. import duty, and the recent firmer tone has to some fair extent accounted for this increase in the cost of landed goods. Some further advances are recorded, but in many instances they are nominal, and there would be spot sellers at lower rates. It will probably take some weeks for the markets to develop to the full extent of the duty.

ALMOND.—Spot prices for genuine s.a.p. are at about 8s. 3d. to 8s. 4d. per lb.; sweet almond is quoted at about 2s. 3d. to 2s. 4d. per lb.; market is quiet.

ANISE (STAR).—The market is steady, although rather quiet; prices are fully maintained: spot, "Red Ship," in leads, 2s. 3d.; in tins, 2s. 2d.; in drums, 2s.; shipment, in leads, 2s.; in tins, 1s. 11d.; in drums, 1s. 9¾d. per lb. c.i.f.

BERGAMOT.—The Consortium have not yet published their prices for this market. Meanwhile, spot material is freely offered in the region of 10s. 9d. to 11s. 3d. per lb., as to quantity and quality.

BOIS DE ROSE.—Brazilian on spot tends to firm up from 3s. to 3s. 2d. per lb.; Cayenne is offering on spot at about 7s. 3d. per lb.

CAJUPUT is rather dearer, with spot values now at about 2s. 9½d. to 3s. per lb., as to quantity.

CARAWAY is steady at former rates; market quieter: spot, double-distilled, 7s. 6d.; crude, 7s. 1d. per lb.

CASSIA.—If anything, prices are dearer, with very little available on spot under 4s. 9d. per lb. The market is very steady.

CEDARWOOD.—The market is steady at the higher price recorded last week, with spot at 2s. per lb. Shipment, 1s. 9d. per lb., c.i.f.

CINNAMON LEAF continues to be offered on spot at from 3s. 4d. to 3s. 6d. per lb. as to quantity.

CITRONELLA.—Prices are steady at the recent advances and business has been good: Java, spot, 2s. 10d.; shipment, 2s. 6d., c.i.f.; Ceylon, spot, 1s. 9d. per lb., and shipment about 1s. 8½d. per lb., c.i.f.

CLOVE—English, 90 to 92 per cent., is unchanged at about 5s. per lb. Madagascar is a point up at about 4s. 3d. per lb., spot.

EUCALYPTUS.—The market is steady and unchanged: Australian, 70 to 75 per cent., 1s. 1d. to 1s. 1½d.; 80 to 85 per cent., 1s. 3d. per lb.; Spanish, 70 to 75 per cent., 1s. 3d. per lb.

GERANIUM.—Bourbon is nominal on spot at about 27s. 6d. and upwards per lb.; to arrive, duty paid, 27s. 6d. Algerian is well maintained at about 27s. 6d. per lb., spot.

GINGERGRASS is offering on spot in the region of 7s. per lb.; market has been quiet.

JUNIPER BERRY (B.P.).—The market is dearer in most quarters, with spot values now mentioned close up to 5s. per lb. There may be sellers at slightly less.

LAVENDER.—Spot values are, so far, unchanged; business has been slower: French, 38 to 40 per cent., 11s.; 36 to 38 per cent., 10s. 9d. per lb. for finest grades.

LEMON.—The shipment market for Sicilian hand-pressed new crop oil is easier at about 6s. 9d. per lb., c.i.f. Spot is quoted at about 6s. 10d. to 7s. 4d. per lb. as to brand and quantity. Machine-made is quoted for shipment at about 5s. 3d. per lb., c.i.f. Californian, spot, 3s. 7½d. per lb., in drums.

LEMONGRASS is steady, with spot at 2s. 3d. to 2s. 4½d. per lb. as to quantity. Shipment is about 2s. 1½d. per lb., c.i.f.

LIME.—The spot market is steady at about 38s. per lb., and supplies are limited.

MANDARIN.—Spot offers are well maintained at 16s. 3d., and the market tends to harden.

ORANGE.—The shipment market for Sicilian sweet is quoted at about 7s. 9d., c.i.f., while spot prices are mentioned at about 8s. per lb. Bitter orange on spot is quoted from 7s. 2d. per lb.; West Indian, hand-pressed, 5s. 6d. to 5s. 9d. per lb.; Californian, spot, 5s. to 5s. 7d. per lb. as to quantity.

PALMAROSA is rather dearer on spot at 8s. 6d. to 8s. 8d. per lb., and the shipment market is firmer.

PATCHOULI.—The price mentioned on spot is close up to 13s. per lb., but there may be an occasional seller at less.

PEPPERMINT.—The spot market for Japanese dementholised oil is steady at 4s. 6d. to 4s. 7½d., but business is not good. The shipment market for January-March and March-April is quoted at 4s. per lb. c.i.f., being slightly easier.

U.S. exports for 1931 totalled 229,537 lb., valued $438,202, against 255,294 lb. ($700,177) during 1930.

PETITGRAIN.—Spot values are again rather firmer in the region of 4s. 8d. to 4s. 9d. per lb. Shipment, 4s. 3d. per lb. c.i.f.

ROSEMARY.—The spot value of Spanish is steady at about 1s. 11d. to 2s. per lb., as to quantity.

The following importations from the countries indicated have taken place during the period February 23 to 29 inclusive:—Almond (Fr.) 20 cs.; anise (Star) (China) 5 dms.; birch (Gy.) 2 cs.; cananga (Fr.) 1 dm., (Java) 2 dms.; caraway (Nthlands.) 5 cs.; cassia (Gy.) 7 dms.; cinnamon (Gy.) 2 cs.; citronella (Nthlands.) 1 dm., (Java) 8 dms., (Fr.) 4 dms.; clove (Fr.) 5 dms.; coriander (Czecho-S.) 1 cs.; eucalyptus (Austl.) 66 cs.; geranium (Fr.) 1 dm.; lavender (Fr.) 3 dms.; lemon (It.) 176 cs., (Spn.) 205 cs.; nutmeg (U.S.) 4 cs.; orange (It.) 24 cs., (Fr.) 7 dms.; orris (Fr.) 2 cs.; otto of rose (Fr.) 1 cs.; peppermint (U.S.) 4 cs., 15 dms., (Jp.) 25 cs.; (It.) 18 cs.; petitgrain (Fr.) 24 cs.; pine (Gy.) 4 cs., 1 dm., (U.S.) 4 dms.; spearmint (U.S.) 11 cs.; various (Gy.) 16 cs., (Fr.) 77 cs., (Switz.) 2 cs., (U.S.) 101 cs., 12 dms.; verbena (Fr.) 2 cs.; wormseed (U.S.) 2 dms.; ylang ylang (Gy.) 14 cs.

Coal Tar Products, etc.

BUSINESS is still limited to a few products in this section. Cresylic acid continues weak. Carbolic acid crystals are now offering for delivery up to the end of the year. Pitch is practically sold out for this season. Solvent naphthas are quieter but steady. BENZOL.—Prices are fully maintained on an active market: standard motor 90's, 1s. 5d. to 1s. 6d. per gallon, in tank wagons, ex works; pure, 1s. 10½d. to 1s. 11d. per gallon. CARBOLIC ACID CRYSTALS (39° to 40° C.).—Supplies for delivery up to the end of the year are now being offered; makers' prices for bulk quantities are nominally unchanged, but a premium is having to be paid at the moment; quantities of a ton down to two or three cwt. from 7d. to 8d. per lb., in drums with over-casks, carriage paid or f.o.b. CRESYLIC ACID.—The demand has been a little better, but the market is still quoted at low prices: pale 98 to 100 per cent., 1s. 4½d. to 1s. 5d.; dark 95 per cent., 1s. 1d. to 1s. 2d.; special qualities, 3s. to 3s. 3d. per gallon, ex works. American duty-free acid, 1s. 5d. to 1s. 7d. per gallon, f.o.b. CREOSOTE OIL.—Business continues on a fair scale, with bulk quantities at 5d. to 5½d. per gallon, f.o.r. works, South England. KEROSENE continues steady at former prices: water white, 11½d.; standard white, 10½d. per gallon, in barrels, ex wharf, London; in bulk, 3d. per gallon less. MOTOR SPIRIT.—National distributors' prices are unchanged: No. 1, 1s. 3½d. per gallon, delivered in bulk for England, Wales and South Scotland: 1s. 4d. for Belfast, and 1s. 4½d. for remainder of Northern Ireland and North Scotland; 1s. 0½d. for Irish Free State, with Dublin 11½d. per gallon: No. 3 spirit, 2d. per gallon less, and aviation spirit 4d. per gallon more in all cases; 1d. to 2d. per gallon more in two-gallon tins as to district. NAPHTHALENE is steady as quoted; business is quiet: flakes, £11 10s.; balls, £11 10s. per ton, in cases. PITCH.—Enquiry is good, but there is not much material available for the remainder of this season; medium-soft, 80s. per ton, f.o.b. East Coast, nominal. PYRIDENE is nominal as quoted, with 90 to 160 4s. 6d. to 4s. 9d. per gallon. SOLVENT NAPHTHAS.—Prices quoted are unchanged; business has been quieter: 90 to 160, 1s 2½d. to 1s. 3½d.; heavy, 90 to 190, 1s. 0½d. to 1s. 1d. per gallon, naked at works. TOLUOL.—The market is steady with supplies rather freer: commercial 90's, 2s. 4½d.; pure, 2s. 11d. to 3s. 1d. per gallon, ex works. XYLOL.—Market is steady and unchanged: commercial, 2s. 2½d.; pure, 2s. 6d. per gallon, ex works.

Fixed Oils, etc.

BUSINESS has been rather quieter and some products are slightly easier, particularly palm oils, while groundnut is still at high rates. Linseed (raw, naked) is easier, and American turpentine is steady at a further advance. ACID OILS.—Prices show variation this week; business has been better: coconut and/or palm kernel, 25s.; groundnut, 22s.; soya, 16s. 3d. spot. CASTOR.—Values for all qualities are steadily maintained; market rather quiet: pharmaceutical, 48s. 6d.; first pressings, 43s. 6d.; second pressings, 41s. 6d.; barrels, cases, £4 per ton extra, ex mills. Hull, in not less than one-ton lots: Bombay, 33s. (drums) c.i.f., nominal. COCONUT shows a further advance with the market steady and fairly active: deodorised, 37s. (barrels), spot; Ceylon, 29s. 6d. (drums), c.i.f. COTTON.—Prices are about level on the week, while business has been rather quieter: deodorised, 31s. 6d.; common edible, 29s. 9d.; soapmaking, 27s. 9d.; crude, 25s. 9d. (barrels), spot. GROUNDNUT.—High prices continue to be quoted for this product: deodorised, 46s. 6d. (barrels), spot; crude Oriental, 39s. 6d. (drums) c.i.f. LINSEED (raw, naked).—The market shows a loss on the week, and has been mostly dull: on spot, 17s.; March, 15s. 10½d.; May-August, 16s. 10½d.; September-December, 17s. 10½d. Boiled oil, on spot, 19s. 6d. OLIVE.—So far the spot market is quoted unchanged, but prices tend to advance: edible, 6s. 3d. in drums, 6s. 9d. in tins in cases; B.P., 5s. per gallon in 40-gallon barrels. PALM.—Prices quoted for all qualities are on a slightly lower level this week, and business has slackened off: Lagos, 20s. 6d.; softs, 19s. 9d.; mediums, 19s. 7½d.; hards, 19s. 9d.; bleached, 22s. 3d., spot. PALM KERNEL is easier on a quieter market: deodorised, 32s. 9d.; crude, 28s. 3d., spot. RAPE continues steady at level figures on the week; refined, 35s.; crude, 33s. spot. RESIN.—Last week's better prices are maintained: B, 12s. 3d.; D, 12s. 6d.; F/G, 13s. 6d.; N, 19s. 6d.; W/G, 22s. 9d.; W/W, 25s. ex wharf. SOYA.—The market is steady and business has been fair: deodorised, 31s. 6d.; crude, 26s. 6d. spot. TURPENTINE.—Prices show a further advance, and the market closes steady. On spot, 56s.; March-April, 56s. 6d. WOOD.—Hankow in barrels show a further advance with spot up to 58s.

U.S. Essential Oil Imports for 1931

	1930		1931	
	Quantity	Value	Quantity	Value
	lb.	dols.	lb.	dols.
Cassia and cinnamon ...	372,283	373,209	305,549	218,060
Geranium ...	188,582	593,370	139,702	416,210
Otto of roses ...	18,206	216,300	19,977	209,102
Bergamot ...	175,788	440,341	80,611	136,432
Citronella and lemon grass	1,096,819	541,865	1,026,793	389,169
Lavender and spike lavender	376,405	722,276	279,588	499,637
Lemon ...	624,023	587,645	346,993	215,986
Orange ...	166,285	362,427	131,837	230,194
Sandalwood ...	18,839	80,397	10,250	49,261
All other ...	3,064,338	1,725,516	2,925,076	1,289,782

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1932, p. 339.

(From "The Trade Marks Journal," February 10, 1932.)

"EPISOL"; for solutions for treatment of varicose veins (3). By British Colloids, Ltd., 22 Chenies Street, London, W.C.1. 526,633.

"LYMSAL"; for medicated bath salts (3). By J. McLachlan, Inglenook, Duke Street, Formby, Lancs. 527,918.

"WALPINES"; for medicinal chemicals (3). By Walfox, Ltd., Clerk Green Mills, Purlwell Lane, Batley. 523,279.

"MAY FAIR"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford, London, E.15. 523,109. (Associated.)

"YUNDA"; for all goods (48). By Margaret A. B. Ross, "Rush Green," Forest Row, Sussex. 523,293.

(From "The Trade Marks Journal," February 17, 1932.)

"SANTONINUM" on label design; for veterinary santonin (2) and for medicinal santonin (3). By Kazakskiy Gosoudarstvennuiy Himicheskiy Trest, Tchimkent, Turkestan, Kazakstan, Russia. 523,790/791. (Associated.)

"JACKSON'S FEBRIFUGE" on circular design; for fever medicines (3). By G. Jackson & Sons, Ltd., 2 Elmore Street, Harpurhey, Manchester. B 526,616.

"DOLOFUGIN"; for medicated cosmetics (3). By E. Ritsert, 40 Moselstrasse, Frankfort-on-Main, Germany. 526,329.

"THALCO"; for medicinal chemicals (3). By Gayday Products, Ltd., Greycoat Place, London, S.W.1. 527,667.

"BELLMORE"; for medicinal chemicals (3). By F. Nichols, Goodman's Buildings, Rockingham Street, Leeds. 523,473.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

The R.P.U. Election

SIR,—Many important questions will shortly be confronting pharmacists, consequently we must have tried and trusted representatives as our spokesmen, men who are actively engaged in business and aware of all our difficulties. On behalf of the Birmingham Pharmaceutical Association I would ask all electors in the Western Area 3 (which includes Warwickshire, Worcestershire, Staffordshire and Herefordshire) to vote for Mr. H. H. Marshall, who has served us well for the past ten years; he is an ex-chairman of the Executive, chairman of other committees and of several deputations who have waited on various Government departments in our interests. The voting papers are due to arrive on Tuesday next. I trust the electors will fill them in and post them back by return.—Yours faithfully,

C. VERNON THOMPSON,
President, Birmingham Pharmaceutical Association,
Chairman, Birmingham Branch of the R.P.U.

SIR,—At a recent meeting of the Committee of the Cambridge Association, it was decided that the Association should support the candidature of Mr. J. Evans, M.P.S., for Eastern Division 2, on the Executive of the R.P.U. Mr. Evans has had over thirty years' experience in pharmacy in East Anglia—in Cambridge, where he has been in business twenty-seven years and at present has two businesses, and also in a smaller country town. London, and his native South Wales have also contributed to his store of pharmaceutical experience. He has always been a strong supporter of and believer in pharmaceutical organisations, and has taken a keen interest in local association affairs, having been treasurer for many years and president. When the Conference was held in Cambridge in 1910 he was treasurer of the Local Conference Committee. He is at present one of the chemists' representatives on the Cambridgeshire Pharmaceutical Service Subcommittee. For recreation Masonic work claims much of his "spare time," and he also finds time for a little motoring. A man who has made a success of his own life and business is certainly qualified to act as the representative of the East Anglian pharmacists of Eastern Division 2 on the Executive of the R.P.U.

Yours faithfully,
J. M. PALMER, Chairman.
Cambridge.

Accuracy in Dispensing

SIR,—I should like to thank "Xrayser" for his remarks on dispensing accuracy (*C. & D.*, February 27, p. 211). The terms "accurate" and "inaccurate" are obviously only relative when applied to dispensing. As I pointed out in my lecture (of which only an abstract appeared in the *C. & D.*) the dispenser, with the apparatus at his disposal, can never hope to get nearer than about 2 per cent. in excess or defect of the prescribed amount. When this degree of accuracy is attained the work is of a very high order, and it is what may be called "very accurate dispensing." I am not suggesting by any means that the limit which is generally allowed, viz., 10 per cent. in excess or defect, is too high. When all the factors which may contribute to inaccuracy in dispensing are taken into account, I think this 10 per cent. allowance is quite fair. On the other hand, I do not think that the pharmacist would have reason to feel proud if the shortage or excess in a medicine he had dispensed was only just below 10 per cent., unless, of course, the irregularity could be accounted for by a factor which was quite beyond the dispenser's control. "Xrayser" seems to be of the opinion that this so-called "error" of 10 per cent. is neither here nor there, but a number of pharmacists know to their cost that, if trouble is to be avoided in insurance dispensing, this limit must not be exceeded. "Xrayser" objects to the use of the word "error." I should like to point out that the word was used in the technical sense with the knowledge that I was addressing pharmacists and not laymen. In the case of a dispensed medicine taken under the Sale of Foods and Drugs Act, it frequently happens that the public analyst uses the word "adulterated" in his report. The word "adulteration" has become associated in the public mind with the watering of milk or the mixing of margarine with butter, and is objectionable when applied to a dispensed medicine. I agree that the word "error" may likewise be associated with the idea of wilful negligence, but it is certainly preferable to the word "adulteration." The use of the "excess" or "deficit," as in the case of the prescribed form of the report of an analyst under the N.H.I. testing scheme, only amounts to the same thing. It is difficult to find terms that will express these irregularities without conveying the slightest suggestion of negligence or fraudulent intent on the part of the dispenser.—Yours faithfully,

JOHN BUTLER.
Liverpool.

The Plight of the Unregistered

SIR,—The letters of "Brimstone," "Theriaca" and "Mummatts Nobby" are the type I would like to see more often in THE CHEMIST AND DRUGGIST. The phrase "comical body" of Mr. Corrall also tickles my taste. I am convinced that unless chemists and druggists launch out in a bold offensive way there is little hope of increasing the status of the craft. During fifty years in the retail at home and abroad, I have watched the Pharmaceutical Society always on the defensive, getting snuffed out every time—lying down at every fence. I admit the educational side, but without protection this is without value. The public appreciate, expect, and demand their medicines to be dispensed by a qualified head or assistant. This, in my opinion, should be one of the planks in an offensive policy. The salaries and cost will right themselves in time. This "superintendent business" is a joke, and should be abolished.—Yours faithfully

A FIFER FRAE FIFE (I. 3).

SIR,—With reference to "Brimstone's" letter in your issue of February 26, p. 238, I agree with almost all he said on overcrowding by "unqualified" assistants. I am in a similar plight to himself. I studied chemistry at a higher grade school with view to qualifying, but lost my mother at the age of eighteen. I then joined H.M. army, was "employed" in army hospitals, and was taken in hand by assistant surgeons, who imparted a thorough grounding of materia medica and therapeutics. Dispensing came as a matter of course. I also attended 200 operation cases. I passed all exams. and left the Army on pension as Q.M.Sergt. I have made a comprehensive study of pharmacy in all its aspects, and to-day keep myself abreast of the advance of medicine. Who shall say I am not competent and efficient enough to hand over two-pennyworth of Epsom salts?

Yours, etc.,
Q.M.S. (29. 2).

Collective Advertising

SIR,—In putting the following suggestion before you I can claim no originality, as the various proposals embodied have at one time or another appeared in your pages. I have not, however, seen the suggestion as a whole previously proposed, and consider that much benefit would accrue to pharmacists if this or some modified scheme were adopted. The proposal is that some representative body of chemists (doubtless the Retail Pharmacists' Union) should produce a sign to

be exhibited on the shop front of every pharmacy conducted in accordance with the Pharmacy Acts, that this sign be available only to qualified chemists on payment of an annual subscription, and that the annual subscription be sufficiently large to permit of considerable advertising on behalf of the subscribers. May I suggest, sir, that in designing the sign we do not arrive at an involved coat of arms, nor do we stick at the mortar and pestle, but have some simple yet distinctive design which once seen, always thereafter reminds one that "There is a qualified chemist's"? With regard to the annual subscription, this need not be more than a few pounds and I feel sure that with very few exceptions every chemist in the country would have no hesitation in supporting the project. Doubtless many modifications will be suggested, but let not the proposal be dropped on the ground of economy and hard times—all the more reason for getting on with the job.

Yours faithfully,
BM/BGCG (29/2).

SIR,—I consider "Fisher's" suggestion as to collective advertising for chemists (*C. & D.*, February 20, p. 207) an excellen one, and one which should be carried out at once. A very small subscription from each chemist in business would provide ample funds for an effective advertising campaign throughout the whole of Great Britain, and I am certain would prove to be money well spent. I leave it to others more competent to arrange ways and means.

Yours faithfully,
ANGLER (24/2).

A Programme of Pharmaceutical Reform

SIR,—As time passes it seems to become increasingly evident that the chemists and druggists of Great Britain have little or nothing to suggest in the way of improving their condition beyond what was proffered in the Pharmacy and Poisons Bill, or has recently been suggested in letters published in your columns. This result of your appeal for suggestions to be included in a programme of pharmaceutical reform (*C. & D.*, January 16, p. 61) would have been disappointing if one did not realise that it reveals the weakness of the case so often put up by those who are continually clamouring for something to be done on their behalf, blaming those who are working on their behalf for assumed inaction, and doing nothing whatever to help themselves or their fellows. Among others, my good friend George F. Corrall, who has as keen a brain as any critic of those in authority, appears to find himself unable to assist in the work of reconstruction, since he submits nothing for inclusion in your programme of pharmaceutical reform. His soft murmurings (coos) on the subject of bills and beaks do not carry us a bit more forward, and he even fails to convince us of his ability as a logician. What he fails to see is that great benefit for the Pharmaceutical Society must imply some degree of advantage for the individual members of that body. Since Mr. Corrall is not a member of the body he regards as comical, he is obviously outside the category of those who may expect to reap benefit as members. At the same time he virtually asks for immediate benefit as a chemist and druggist. But if he abstains from sharing in our corporate work, why should he expect to share in any advantage derivable from the results of that work? As a matter of fact, he or his successor would reap advantage in time if the Pharmacy and Poisons Bill were passed into law; but to claim immediate benefit without sharing in the labour of attaining it savours of—well, of George F. Corrall. Let me state in conclusion that I "claim" no benefit for the Society; what I have done was to state that such benefit would accrue in a certain eventuality. My constant aim and desire is to win some advantage for the chemist and druggist, particularly the man or woman behind the counter, whether as proprietor or assistant. It may be little that I can yet accomplish in that direction, but I am satisfied that my object is a sufficiently worthy one.—Yours faithfully,

JOHN HUMPHREY.

Harrow.

Legal Queries

J. W. (2/2) lent £2 to a customer, receiving in exchange a cheque which was returned by the bank "refer to drawer." Has he any legal remedy against his customer? ["J. W." can sue his customer on the cheque without the necessity of having to prove that the money was actually lent.]

W. J. B. (22/2).—The exemption to which you refer appears after the General Charge of Duty in the Medicine Stamp Act, 1812. The following persons are named as enjoying this exemption: "Any surgeon, apothecary, chemist, or druggist who hath served a regular apprenticeship, or any person who hath served as a surgeon in the Navy or Army under any commission or appointment duly entered at the War Office or Navy Office." The full text of this exemption is published in "Pharmaceutical Formulas" (10th edition), pp. 978-979.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

M. S. (5/1).—SOLUTIONS FOR PERMANENT WAVING.—The solution for use before permanent waving consists of approximately 0.75 per cent. of sodium carbonate, tinted with rosaniline. The setting solution for use after permanent waving consists of a 1½-per-cent. mucilage of tragacanth tinted with malachite green and perfumed with ionone.

F. N. (19/81).—HUMAN BLOOD STAINS.—Care should be taken not to subject the material to heat, otherwise the stain will be fixed. In this connection it may be mentioned that cotton and linen hold blood stains faster than other materials. In the case of fresh stains, bleach with water and then spot with solution of hydrogen peroxide. The application of glacial acetic acid is also effective in some instances. In the case of old stains, first soak in solution of ammonia, then sponge with spirit of soap, rinse with water, and finally bleach the remaining stain with oxalic or sulphurous acid, or solution of hydrogen peroxide. We have found in practice that a fresh blood stain is easily removed by the application of an aqueous solution of potassium iodide, or of tartaric acid, but the success of this method largely depends upon the material to which it is applied. If the stain has been heated it is necessary first to effect solution of the coagulated albumen by a dilute solution of pepsin and hydrochloric acid, afterwards removing the residual stain by one of the methods given above.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," March 15, 1882

Poison Legislation in Guernsey

We are favoured . . . with the following translation of an ordinance which has lately come into force for the island of Guernsey. . . . Ordinance of the Royal Court concerning the sale of poisons passed at the Chief Pleas, January 16, 1882:—

(1) It is forbidden to any person, except the chemists and druggists, duly authorised to exercise their profession in this island, to sell poisons. . . .

(7) Any person infringing any of the above articles will be liable to a fine of not less than £2 sterling, and not exceeding £20 sterling. Half of which fine shall be paid to her Majesty and the other half to the informer.

(8) The ordinance of the Chief Pleas of January 18, 1730, concerning the sale of arsenic will be repealed.

For

QUALITY

in

MEDICATED BOILED SWEETS, PASTILLES & LOZENGES

Two Strengths of Glucose 25% & 85%

6/6 per doz. net

also available in bulk

also **In Stick Form 6/6 & 12/- doz net**

Iodised Barley Sugar 7/6 & 14/- doz. net

Available in Bulk

or

Packed for Retail Sale

Makers of Medicated Lozenges and Pastilles for over 130 years

Experience *does* count

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SELL ALL THE YEAR ROUND
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FOR TINTING GREY HAIR
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Cost **10/-** per dozen, 14 to the dozen
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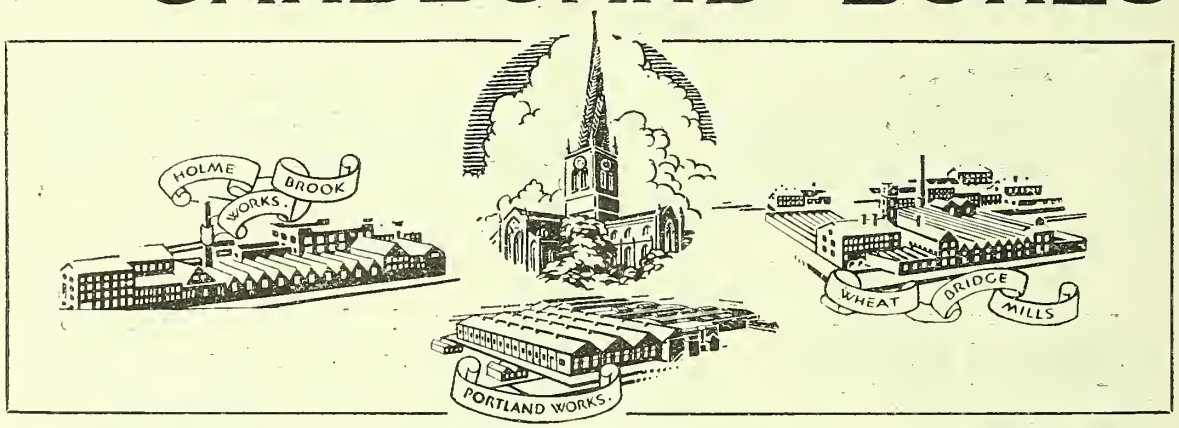

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are better than ever.

6 and 8 oz.

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Ordinary 8¾d. ,,
Fine 1/1½ ,,
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10 gross carriage paid.
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Business is stirring—health service is required. There are ten times more people needing 'ASPRO' at the present time than at most times. We are alive to it—OUR ANTI-FLU CRUSADE IS IN FULL SWING. Our advertising appropriation has been increased commencing with half pages in the leading dailies—featuring colds, 'flu and rheumatism. Altogether 32 MILLION PEOPLE are being appealed to through over 300 papers. You can obtain TREMENDOUS business NOW by keeping in your 'ASPRO' window-show and putting up window stickers to make contact with this great advertising and sales creating movement.

HERE ARE SOME OF THE SEASONAL ADVERTISEMENTS NOW APPEARING

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

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Made by ASPRO LTD., SLOUGH, ENGLAND.

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The Brand that does not separate nor crystallize.

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ESTABLISHED 100 YEARS

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Write for Special Quantity Terms

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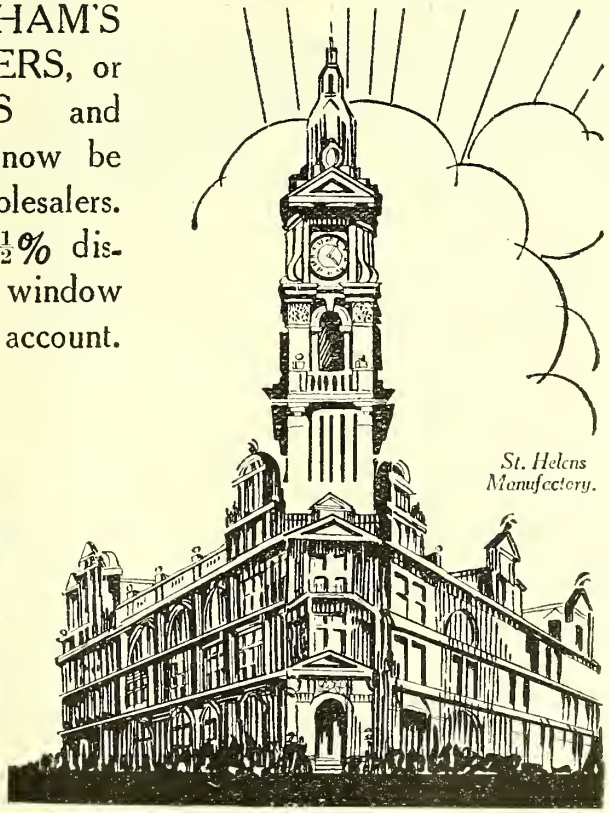
BEECHAM'S POWDERS



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Big turnover from "Oambroo" BEER!

There is no question or doubt about the phenomenal success of "Viggormalt." Week by week more and more chemists add "Viggormalt" to their best-selling lines.

VIGGORMALT FOR PROFITS!

The reason for the huge demand for "Viggormalt" is not far to seek. "Viggormalt" is infinitely superior to any preparation of a similar nature hitherto offered to the public. It makes genuine, flavourful, stimulating Beer (Ale or Stout) with simplicity and certainty.

Don't miss your share of the increasing "Viggormalt" business. Obtain supplies at once, and display them to link up with the advertising which is appearing regularly in national journals.

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Full duty, shipped expressly from our Spanish House for Chemists' use in B.P. Preparations by

LAMB & WATT, Limited,
46/48 St. Anne Street,
LIVERPOOL

Established 1847.

who also specially manufacture

B.P. ORANGE WINE,
"WIN FERRO" TONIC BLOOD WINE,
"CROWN" Brand LIEBIG'S MEAT AND MALT WINE.

Green Ginger, Raisin, Cowslip, Elderberry, etc., made only from the fresh fruit. Purity fully guaranteed. Highest Awards at all Exhibitions where shown.

Full Strength **AUSTRALIAN RED, TAWNY AND WHITE WINES, AUSTRALIAN SHERRY** and :: every kind of foreign wine. ::

DUMAS ★★★ BRANDY—DOURADOS PORTS

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ESTD 1817

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PHARMACISTS' PRINTING.

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JAMES F. WILKINSON,
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25% Greater Value!

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The quality and flavour is the same. Improved methods of manufacture alone have enabled us to effect great savings in production costs; **this advantage is now passed on to our customers.**

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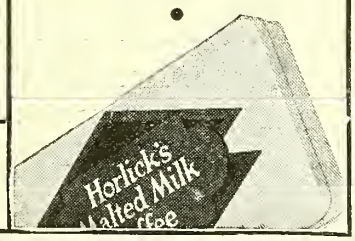

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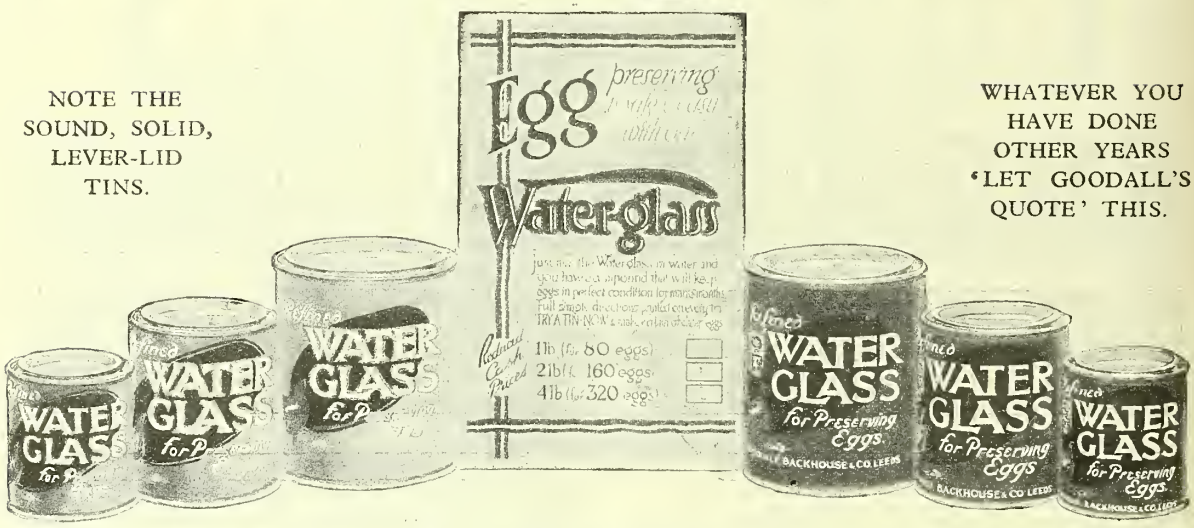

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THE CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX ST.
LONDON, W.C.2

MARCH 5, 1932.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

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7.—LONDON, N.W.—General Retail and Dispensing Business; returns between £30 and £35 weekly; double-fronted corner shop, well fitted and stocked; rent £92; long lease; terms, valuation of stock and fixtures, plus an agreed sum for goodwill, about £1,300 in all.

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CHEMIST-OPTICIAN wishes to dispose of Pharmacy portion of large shop in main street in West End London; established five years; last year pharmacy turnover £1,885; rent, including full use of fixtures, fittings, etc., £234 per annum inclusive; stock at valuation. Apply 145/15, Office of this Paper.

DRUG Stores and Post Office; Dock district; excellent prospects for qualified man; rent £66 per annum; P.O. salary £325; trade receipts small, could be greatly increased by fully qualified man; £700, all at; no offers. 148/33, Office of this Paper.

HIGH-CLASS Chemist's, 25 miles London; very little N.H.I.; excellent private dispensing at top prices; Kodak Agency, Library; opening for Optics; nearest opposition one mile; well stocked and fitted; valuable lease at £100 per annum; turnover £2,200, and increasing; net profit £600; price £1,700 for quick sale, or £400 and stock at valuation. 150/22, Office of this Paper.

RARE opportunity occurs to secure an excellent country Pharmacy in Somerset; well stocked; Kodak Agency, etc.; very low overheads; no opposition; net profits approximate £500 per annum; price little more than value of stock and fittings; first reasonable offer accepted; sound reason for disposal. Write 149/24, Office of this Paper.

APARTMENTS.

RESIDENTIAL CLUB FOR GENTLEMEN.

HAMPDEN CLUB, Hampden Street, N.W.1, close to King's Cross Station. Large club rooms. 300 bedrooms and bed-sitting rooms, 15s. to 25s. per week. Illustrated Prospectus, Secretary. Museum 3424.

PARTNERSHIPS.

DIRECTOR-SECRETARY wanted by London firm having sole control of sales in the United Kingdom of Beauty Preparations, Cosmetics, etc., of Empire origin; highest class; world famed; attractively packed; in wide demand here; extensive advertising campaign financed by manufacturers; £1,000 shares. P.C.B. 26/90, Office of this Paper.

MANUFACTURERS of Lozenges, Pastilles and Medicated Sweetmeats wish to get in touch with qualified Chemist to act in consultative capacity prepared to invest few hundred pounds; opportunity to learn practical side of lozenges, pastille, etc., manufacture and eventually assist in management. Correspondence also invited from experienced Salesman or Displayman willing to invest. Full particulars at interview. Write 148/11, Office of this Paper.

QUALIFIED, 27, with small capital, desires Partnership with established Chemist or proprietor of Drug Stores in London area; fully experienced; at present employed as branch manager; excellent references. 143/12, Office of this Paper.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LONDON, EAST.—Business required, preferably in the Canning Town area, suitable for running as a branch; turnover about £40 weekly, with good N.H.I. connection; reasonable rental and price. All replies treated as strictly private and confidential. 199/159, Office of this Paper.

LONDON, OR NEAR.—Sound Chemist's and Optical Business required; capital available up to £3,500; all particulars treated in strict confidence. 199/158, Office of this Paper.

SOUTHERN COUNTIES.—Small genuine Business required in healthy locality by gentleman contemplating semi-retirement; living accommodation essential, but need not be extensive; returns should not greatly exceed £20 weekly. Reply in confidence to 199/160, Office of this Paper.

GOOD, sound Business required, either with existing Optical connection or possessing scope and the necessary facilities for introduction of Optics; returns approximately £2,000 per annum, but smaller turnover considered if genuine scope for increase exists; any locality between London and Portsmouth considered. Replies treated in strict confidence. 199/161, Office of this Paper.

GOOD-CLASS Business required immediately, preferably with living accommodation; returns not less than £2,000 per annum; country district preferred, but not essential. 149/13, Office of this Paper.

PHARMACIST requires good-class Business in growing neighbourhood; turnover £4,000, certified accounts, and sound lease; no agents; cash available and replies treated with strict confidence. Full particulars in first letter, please. 148/14, Office of this Paper.

AGENCIES.

BRITISH LANOLINE MANUFACTURER desires to appoint Selling Agents for the Drug and Perfumery Trades. Applicants must have good personal connection with Wholesale Buyers. 199/149, Office of this Paper.

PROMINENT and successful sales company, covering Great Britain and Ireland, and having nearly 10,000 accounts, are open to consider handling the sales of another well-advertised Proprietary which does not conflict with those already handled. Address in the first place "Sales," 199/151, Office of this Paper.

WELL-KNOWN, old-established English firm, with offices London, Lancashire and Irish Free State, wish to take up Sole Selling Agency for Chemicals and Produce in Great Britain and Ireland; only actual manufacturers need reply. 199/167, Office of this Paper.

PREMISES TO LET.

IPSWICH (on Main Road, facing entrance to new Housing Estate).—Smart modern Shop; ideal position for Chemist; no competition near; house attached; rent 35s. per week and rates. Apply Herbert Cornell & Son, 6 Princes Street, Ipswich.

READING.—To Let, Shop, with excellent living apartments, adjoining Council Housing Estate, Oxford Road; splendid opening. Apply Surveyor, G.W. Railway, 155 Westbourne Terrace, Paddington, W.2.

WORTHING AND BOGNOR REGIS.—Gentleman, retiring from business, has a Lease of Shop in each of these progressive seaside towns for disposal (not chemists now), but after careful study decided both are admirably suitable for Chemist; finest central positions for high-class trade. Write Sharman, 220 New Church Road, Hove.

PREMISES FOR SALE.

READING, BERKS.—Modern Corner Premises with ample living accommodation, centre of densely populated district; no Chemist within 1 mile; easily convertible to shop premises at small cost; freehold, £750. Henry F. Dunster, P.A.S.I., 2a King's Road, Reading.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LINCOLN CO-OPERATIVE SOCIETY, LTD., desire to thank the applicants for the position of qualified Manager, and to state that the position has now been filled.

BEXHILL.—Qualified Assistant, married, age about 30, able to take charge; good Dispensing experience and unimpeachable references essential; living accommodation provided. Write, giving fullest particulars and salary in first letter, to Scholefield, Chemist. Applications unanswered in 7 days respectfully declined.

LONDON, N. (Tottenham District).—Qualified Manager, age 30 to 40, required for branch; must be good Window-dresser and Salesman; permanency for capable manager. Apply, stating age, experience, references, salary required, to 149/9, Office of this Paper.

ASSISTANT Manager; qualified; must be smart Window-dresser and Counterman; quick city business; Photographic and some knowledge of Optic; Salesmanship an advantage. State age, height, salary required, and references. Banners, Ltd., 629 West Derby Road, Liverpool. Also Junior.

IMPROVER required immediately for a medium class Dispensing and cash business in W.C.1 district. Give fullest particulars and wage required in reply. 148/15, Office of this Paper.

LOCUM required, fourth week in March, for thriving Country Family business owing to death of proprietor; opportunity for suitable reliable man as permanent Manager or possibility of Partnership arrangement; salary £4 10s. to £5 (outdoors). Apply, with full particulars as to age, experience, and copies of testimonials, to Ernest J. George, Tudor House, Walsall.

MANAGER, qualified, for modern Family business in residential town; must be good Window-dresser and courteous Salesman; salary and commission. State age, experience, salary required, and when free to 199/153, Office of this Paper.

MANAGER wanted for new business near London; must be young, married, and willing to work hard; single-handed; nice flat (one bedroom); excellent prospects to right man; salary and commission. Full particulars to 150/16, Office of this Paper.

M.P.S. and J.C.O.O. Optician as deputy for owner in South Wales seaside business; Partnership possibilities if applicant is suitable in ability with capital. 150/70, Office of this Paper.

PART-TIME Assistant wanted (male) for about three half-days; accustomed to good-class Retail and Dispensing; personal application. Burden & Co., 41 Store Street, W.C.1.

PHARMACY.—Qualified Chemist required to take charge of Retail Branch; age 25-35; must be a thoroughly capable man, experienced in every branch. Apply, in writing, stating age, experience, and salary required, to Staff Manager, Royal Arsenal Co-operative Society, Ltd., 148 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee and officials will disqualify.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 60 to 100 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

QUALIFIED Manager required for middle-class mixed business in near future; house available; East Coast seaside resort; one preferred with a little capital to take an interest in business; owner opening new business. Apply, with full particulars, 148/13, Office of this Paper.

QUALIFIED Manager, smart Dispenser and keen Salesman essential, for industrial business with large N.H.I.; excellent opportunity for smart man. Give full details of age, experience, and when at liberty to 199/152, Office of this Paper.

QUALIFIED as Assistant for high-class pharmacy; gentlemanly appearance and address; Optical knowledge an advantage. Apply, stating experience, references, and salary, to R. Barron, Chemist, 77 High Street, Croydon.

REQUIRED by multiple shop company supported by large Manufacturing Wholesale Chemists, qualified Manager, energetic business builder, for Retail Branch; salary, bonus on turnover, dividends on investment, £300 to £500 preference shares; promotion prospects; assured future. P.C.B. 26/91, Office of this Paper.

WANTED, shortly, young, qualified lady Assistant for Southampton. Apply, stating age, salary, and when disengaged, to "Bromide," 147/25, Office of this Paper.

WANTED, qualified Assistant; good Counterman, Dispenser and Window-dresser; permanency. State age, salary required, with references. Irving, Chemist, Skipton.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

LONDON Manufacturers of Pharmaceutical Specialities require Manager for this department; specialities are strictly scientific and not patent medicines or packed goods; must therefore have full scientific qualifications; fluent French essential; German an advantage; age 25/35; state previous experience. 199/163, Office of this Paper.

LONDON Manufacturers of Perfumery and Toiletries require Representative for South Coast; must have sound established connections with Stores and Wholesalers; salary and commission. Reply, fullest particulars, 199/166, Office of this Paper.

FOREWOMAN for the Packed Goods Department of a London house; good Stock-keeper and able to control staff; must have had similar experience. Apply, stating age, particulars of previous engagement, and wages expected, to 199/155, Office of this Paper.

LABORATORY Assistant, under 30; all-round experience in Manufacturing Laboratories essential; a knowledge of Wholesale D.D.A. transactions an advantage; good salary and prospects to suitable applicant. Apply 199/156, Office of this Paper.

MANUFACTURING Wholesale Chemists, own proprietaries, also packing all classes of preparations and specialities under retailers' names and otherwise, require Travellers, particularly in provinces; specified areas allotted; investment £200 in preference shares. P.C.B. 26/9, Office of this Paper.

QUALIFIED Representative, young, required by progressive and well-known Manufacturing House for Home and Eastern Counties; established connection to hand over; applicants must be in a position to provide their own car, should give full particulars of their past experience, age, and state whether they have any connection on the territory named. 199/157, Office of this Paper.

REPRESENTATIVE wanted in principal centres United Kingdom for introducing Proprietary article; connection Chemists and Druggists essential. State experience, age, etc. 147/37, Office of this Paper.

REPRESENTATIVES wanted for our well-known Health Salt and Tablet lines in the following districts: South Wales, Midlands, Eastern Counties, Notts and Derby, London and South Coast; liberal commission basis; good connection essential. Harrogate Tablet Co., Ltd., Harrogate.

REPRESENTATIVES wanted for London to sell Chemists' Packed Goods; salary and commission; car essential. Write, stating experience, area covered, and references, 149/4, Office of this Paper.

REQUIRED at once for Productive and Packing Department, qualified Chemist with good all-round Wholesale experience. Apply, by letter in first instance, to Pharmacy Manager, London Co-operative Society, Ltd., 24 Martin Street, Stratford, E.15.

REQUIRED by City Wholesale Druggist, young man of good address and Drug trade experience to call upon Medical Men in London; previous travelling experience preferred. Apply, by letter, giving fullest particulars, age, and salary required, to "X. Y. Z.," 199/164, Office of this Paper.

SALESMEN, calling on Chemists and Hairdressers, six required, by well-known firm to work England and Scotland with a quick-selling Toilet line with assured repeats already selling in London; only first-class salesmen need apply, stating ground covered and lines carried; guaranteed territory and generous commission offered to right men with large scope for making big money; references required. 199/168, Office of this Paper.

WANTED by important manufacturing company (West London) within next three months, Specialist in the Manufacture of Packed Drugs and Specialities; must hold Pharmaceutical qualification, have mature and detailed experience of manufacturing side and progressive ideas. Full particulars, in confidence, in first letter, stating when free and salary required, to 199/154, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

CHEMIST FOR INDIA.—A first-class English Store has a vacancy for a young man, 28-30, possessing Minor qualifications and with a good knowledge of the fancy side of the business, Photography, etc.; must be well educated, good Stock-keeper, good at Display and keen Salesman. Write fullest particulars in first letter to Box 201, Sells Advertising Offices, Fleet Street, E.C.4.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less, 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.—ASSISTANT (young lady, 22) desires post; good-class Counter experience; excellent references; Liverpool or Southport. 148/20, Office of this Paper.

A.A.A.—MANAGEMENT (view possible succession) wanted by experienced Chemist; 46; London. "Chemist," 57 Sutherland Street, S.W.1.

A.A.—QUALIFIED; 24; conscientious worker; 6½ years' experience in town and country; excellent references; free at once; any district. Ashworth, 30 Ingle Grove, Morley, Leeds.

A.A.—QUALIFIED Chemist, age 26 years, married, requires position; Manager or Senior Assistant; 9 years' good all-round experience. "Pass-Boras," 91 High Street, Wandsworth. 'Phone: Battersea 5177.

A.A.—M.P.S., 25, desires permanency; Manager or responsible position; London and provincial experience, Counter work, Photography, Window-dressing; disengaged April 1; excellent references. "Chemist," 39 Orchard Road, Kingston.

A.A.—ASSISTANT, 20, requires situation; 5 years' experience; capable Dispenser, good Salesman, knowledge of Photo and Window-dressing; good references; disengaged. "K.," 47 Aldbourne Road, W.12.

A.—ADVERTISER; 40; 5 ft. 8 in.; experienced; active; abstainer; permanency or Locum. Alexander, 189 Southampton Street, S.E.5.

A CHEMIST, open to engagement, requires position of trust in any capacity; 20 years' experience, provincial, London and French; age 39; excellent testimonials; interview or post. "Sunningdale," Paisley Road, W. Southbourne, Bournemouth.

A JUNIOR, 3 years' apprenticeship, experienced in high-class Dispensing, requires post as Improver in good-class pharmacy. 149/18, Office of this Paper.

A.—QUALIFIED, age 38, managerial experience, thoroughly competent, excellent references, seeks position as Manager or Senior. 149/27, Office of this Paper.

A WELL-TRAINED Assistant desires post; sound references; keen; energetic; free now; go anywhere; season or permanency. Gillanders, 118 High Street, Oxford.

AGNES PERFECT, qualified, seeks post; quick and accurate Dispenser, N.H.I. and Private; good Saleswoman; accustomed to take charge. Write 62 Royston Way, Burnham, Bucks.

AN M.P.S., F.S.M.C., 30, seeks post as Manager; first-class London and provincial experience; excellent testimonials; coastal town preferred. "M.P.S.," 75 Avenue Road, Southampton.

AS Junior or Improver; young lady, 21 (Part I); finished apprenticeship. C. Moyce, 19 The Avenue, Bickley, Kent.

ASSISTANT, 22, unqualified, requires situation; permanency or temporary; excellent experience and references. P. A. J. Baker, "Lyemun," Crimchard, Chard.

ASSISTANT (Part I), 21, seeks appointment until September 30th; excellent experience; high-class Dispensing, Counter and Windows; free now. Particulars to Thomas Totty, 106 Revidge Road, Blackburn.

ASSISTANT; tall; unqualified; single; disengaged; 30 years' experience; Dispensing, Counter, Photography. Hartis, 84 Kedleston Road, Hall Green, Birmingham.

ASSISTANT; tall; 23; Part I; Dispensing, Counter, Photography; excellent references; 7 years' city, seaside experience; disengaged April 10. 149/7, Office of this Paper.

ASSISTANT; 23; disengaged; 7 years' experience; N.H.I.; taken entire charge; middle-class. Gildon, "Lonsdale," Richmond Road, Abergavenny.

CAPABLE; energetic; unqualified; 43; Counter, Dispensing, Surgical, Photographic, Windows; excellent references; moderate salary. "Prescriber," 2 Waltham Grove, S.W.6.

CHEMIST, qualified, 43, disengaged, capable and experienced, desires post, any capacity, anywhere; good Dispenser; good Photographic knowledge. 149/37, Office of this Paper.

CHEMIST'S Assistant, aged 43, unqualified, desires situation in Dispensing and Counter business; good experience. State wage given. 148/8, Office of this Paper.

CHEMIST-OPTICIAN, fully experienced, excellent references, competent, excellent references, seeks position as Manager Management or Senior post; reasonable terms; disengaged now. GM/FA4N, London, W.C.1.

CLIFFORD TREWAVAS, M.P.S., 19 Gloucester Road, S.W.7, requires position, Manager or Assistant; 11 years' good experience; last three years at Kensington.

COMPETENT qualified lady (24) requires permanency or locum; experienced Dispenser, smart Saleswoman. 66 Purley Park Road, Purley, Surrey.

COMPETENT; qualified; 25; excellent Salesman; effective display; good-class Dispensing experience; Manager or Assistant. 147/26, Office of this Paper.

COMPETENT Senior Assistant; unqualified; long experience; in charge last four years present berth; Dispensing, Window-dressing; keen Buyer; vacant March 28th, or before if required. Lockyer, 89 Geneva Road, S.W.9.

DOCTOR'S daughter, 22, urgently desires Dispensing post with Doctor or Chemist; 3 years' experience. Dispensing, Book-keeping, Medical Records, etc.; drives car; excellent references; moderate salary; any district. Miss White, 10 Montrell Road, Streatham Hill, S.W.3.

"EXTREMELY neat and accurate dispenser, clever and original window-dresser, thoroughly reliable in every way," says last employer. Qualified; 23; anywhere; temporary or permanent. Geoffrey Cresswell, 205 Meadowhead, Sheffield.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

IMMEDIATE engagement desired; Midland district preferred; thoroughly experienced; well recommended; locum work undertaken. "E. H.," 64 Hunters Road, Handsworth, Birmingham.

JUNIOR or Improver; tall; of good appearance; part or whole time; disengaged; London preferred. "K. V. B.," 4 Pennine Drive, N.W.2.

LADY, M.P.S., 27, good references, 5 years' qualified experience, desires post; Locum, part time or permanency. 148/22, Office of this Paper.

LADY requires Secretarial or Dispensing work one or two evenings a week; Shorthand, Typewriting, Book-keeping. 148/16, Office of this Paper.

LADY Assistant, unqualified, seeks post in London; Dispensing or Counter; 27; capable; experienced; interview; references. 148/17, Office of this Paper.

LADY Assistant and Dispenser (Hall); excellent high-class general experience; London or South; disengaged. 149/38, Office of this Paper.

LADY Dispenser (Hall), 25, experienced, requires post with Doctor, Chemist or Institution in Devon area; whole or part time. 149/23, Office of this Paper.

LADY, qualified, requires post; locum, part time or permanency; good general experience; free now. "Pharmacist," 252 Elgin Avenue, W.9.

LADY Assistant; unqualified; 27; four years' experience England, four years Paris; French chemistry; fluent French; good references. "E. B.," 205 Herbert Road, Plumstead, S.E.

LADY, qualified, experienced managing, good Dispenser, Photographic, Window-dresser, languages, seeks permanency or Locum. "Chemist," 23 Castellain Road, W.9. Abercorn 2800.

LEEDS.—Experienced Assistant, 36, seeks evening, week-end and holiday duties. 149/36, Office of this Paper.

LOCUM; qualified; free now; excellent references. "Chemist," 37 Sackville Gardens, Ilford.

LOCUM, qualified, 34, good all-round experience, as Assistant and Manager. "Chemist," 50 Grove Lane, Camberwell, S.E.5. 'Phone: Rodney 2719.

MANAGER; qualified; 39; energetic worker; all-round experience; used to busy trade and heavy N.H.I.; Leeds or Yorkshire. 148/28, Office of this Paper.

MANAGER for Drug Stores, or unqualified Assistant; 19 years' Retail experience; previous post 17 years; 2 years manager of Drug Stores. R. E. Slee, 106 Fifth Avenue, W.10.

MANCHESTER.—Position required by young qualified pharmacist; good experience, character and appearance. "Chemist," 70 Cowesby Street, Moss Side.

M.P.S., F.B.O.A., J.C.Q.O., 30, offers joint services together with wife (6 years' good-class Dispensing and Counter experience); we can supply energetic and up-to-date service in all departments, Dispensing, Refraction, Window-dressing; keen Salesman, experienced Buyer; used to managership; jointly we can offer very favourable terms. 150/17, Office of this Paper.

M.P.S., 33, married, tall, smart, and energetic, desires position as Manager, preferably where succession or Partnership could be considered later; has had exceptionally good all-round experience, including last 5 years as manager of a first-class business; thoroughly competent and reliable. 150/8, Office of this Paper.

M.P.S., 28, tall, married, energetic, excellent appearance, exceptionally good all-round experience, accustomed to high-class business, seeks Managership first-class pharmacy; thoroughly capable and trustworthy. 150/2, Office of this Paper.

M.P.S.; married; 35; exceptional personality; Manager large City Pharmacy; experienced all departments, including Optics; good organiser; moderate salary. P.C.B. 26/18, Office of this Paper.

MR. H. B. SHARMAN, Northwood, having disposed of his business, leaves Mr. W. Parr Ferris free to take another post. Mr. Sharman has great pleasure in recommending him as an excellent Assistant (qualified) in any department of a pharmacy. Apply W. Parr Ferris, 31 Green Lane, Northwood.

PART TIME.—Monday, Tuesday, Friday, Saturday, or other times to suit your convenience; 10s. per day; unqualified; thoroughly experienced; Counter, Dispensing; disengaged. Fairweather, 286 Kingsland Road, E.8.

PART TIME; chiefly Dispensing preferred, but much other experience; small salary. Hall, 32 North Street, S.W.4.

QUALIFIED, 24, Silver Medallist, 6 years' experience in all branches, London and provincial, desires Locum or permanency; disengaged. 148/6, Office of this Paper.

QUALIFIED, 23, 7½ years' experience in company and private pharmacy, requires position in London or suburbs; excellent references. "M.P.S.," 18 Sherringham Avenue, Bruce Grove, Tottenham, N.17.

QUALIFIED, 42, desires post as Locum or permanent; good all-round experience; five years last situation, Managership; excellent references. "C.," 130 High Street, South Wimbledon, London, S.W.19.

QUALIFIED; M.P.S.; middle-aged; locum, part time or any capacity; moderate salary; disengaged; recommended. "S.," 32 Steyne Gardens, Worthing.

QUALIFIED seeks permanency; eight years' experience in all branches; first-class West-End and provincial reference; age 26; tall; good appearance. Platt, 23 Fairway, West Wimbledon.

QUALIFIED elderly Pharmacist requires permanent or temporary Managership; active; excellent testimonials. "M.P.S.," 7 Provost Road, Hampstead, N.W.3.

UNQUALIFIED, 28, desires post; excellent experience; 9 years; Liverpool only; write for particulars; salary £3; start immediately; reliable and willing. 148/19, Office of this Paper.

UNQUALIFIED; good Dispenser, Prescriber and Counterman; excellent references; middle-aged; small salary accepted. Harding, 5 Sandhurst Road, Moseley, Birmingham.

UNQUALIFIED, young, seeks position, good-class pharmacy, preferably near Bakerloo; Inter. B.Sc.; 3 years' West-End experience; knowledge French, Typewriting and Book-keeping. Kenneth Samways, 418 St. Albans Road, Watford.

UP-TO-DATE Assistant, with thorough, all-round experience, requires a situation; homely and obliging; sound references. "Diligent," 148/36, Office of this Paper.

URGENT.—Qualified Manageress requires post immediately; used to sole charge, buying, etc.; 3 years last situation; reliable; trustworthy. 148/31, Office of this Paper.

YOUNG lady desires post with Doctor, Hospital, Institution within travelling distance of Brighton; Hall qualification; knowledge of Typing. 146/30, Office of this Paper.

YOUNG man, age 19, requires position, Wholesale or Retail Chemist's; good references. Apply J. Goswell, 13 "S" Block, Peabody Buildings, Stamford Street, Blackfriars.

WHOLESALE.

2s. for 18 words or less, 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A PRACTICAL Compounder, high-class Perfumery, Toilet Preparations, Cosmetics; 15 years' Manufacturing Laboratory experience largest Retail Chemists in world; young; moderate salary; disengaged. "P. J. B.," 1 Thoroton Road, Bridgford, Nottingham.

A REPRESENTATIVE, keen, educated, and trustworthy, extensive connection with London and Suburban Chemists, Hairdressers, Stores, etc., experienced with Drugs, Toilet and Sundry Goods, desires engagement with good house. 199/162, Office of this Paper.

MEDICAL Representative desires change; efficient; thoroughly experienced in first-class propaganda; qualified Pharmacist; age 26; personality; appearance; resident London. 150/27, Office of this Paper.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LABORATORY Assistant; young; 12 years' experience in Wholesale Manufacturing Pharmaceutical Preparations. "K.," 37 Queen's Road, London, E.17.

QUALIFIED Chemist and Dentist desires to represent first-class house after Easter amongst Chemists, Doctors, etc.; territory Yorkshire, but not essential; own car if necessary; interview anywhere. 149/3, Office of this Paper.

REPRESENTATIVE Pharmacist, 39, personality, tact, experience, desires engagement with firm of repute; extensive medical propaganda sales, London, provinces. P.C.B. 26/14, Office of this Paper.

REPRESENTATIVE, keen, energetic, 10 years' experience in London and South of England with Proprietaries and Toilets, desires to represent leading house; own car if necessary. 150/11, Office of this Paper.

SCOTTISH Representative, with large all-round experience, open for any lines suitable Chemists, Stores, etc.; salary or commission. Do it now! 149/28, Office of this Paper.

TRAVELLER, with established Chemists' connection Lancashire and Cheshire, desires representation. "H.," 31 Cypress Road, Southport.

YOUNG, unqualified Chemist, just disposed of own business, seeks post as Representative; any ground; own car. 150/21, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN.

CHEMIST, 32, qualified, single, English and Colonial experience, desires situation; good Salesman, accurate Dispenser; excellent testimonials; go anywhere. P.C.B. 25/25, Office of this Paper.

FOR SALE.

Z.O. ADHESIVE Plaster, Johnson & Johnson, six rolls, 5 yards x 12 in., 2s. 6d. per roll, post free. Novocain Medical Tablets, F. 0.05 grm., 130 1s. 6d. tubes at 6s. per dozen tubes, post free. Hypodermic Syringes, brand new, unused, in nickelled cases, complete with mounted needles, one 10 c.c. "Record," 6s.; one 5 c.c. "Record," 4s.; one 5 c.c. all glass, 5s.; one 5 c.c. all glass, 3s. 6d.; one 1 c.c. (20 min.) "Three Arrow," 3s.; 3 dozen No. "77" Stainless Serum Needles, 5s. per dozen; 3 dozen Yale quality Aspirating Needles, 2 in. x 20 gauge, 2½ in. x 18 gauge, 3s. 6d. per dozen. Malins, 20 Queen Street, Cardiff.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A SET OF SECOND-HAND PHARMACY FITTINGS, all re-conditioned, splendid value, 6 ft. 6 in. mirror centre Dispensing Screen with drawers, 12 ft. glass-cased Serving Counter with drawers, bent Toothbrush Case, 5 ft. bent plate-glass Counter Case, handsome Perfume Case and Desk, 12 ft. Drug Fitting, 8 ft. Wall Case, £77. Cannot be repeated. PHILIP JOSEPHS & SONS, LTD., 90-92 St. John Street, London, E.C.1.

A VERY SMART PHARMACY IN OAK, £84 10s.—10 ft. Drug Fixture, mirrored door centre, 30 glass labelled drawers, cut glass knobs, lockers under, and a cupboard each end; 8 ft. Counter, glass front; 6 ft. Wallcase, all sashes glazed; 5 ft. Dispensing Screen, mirrored centre. RUDDUCK & CO., Chemist Shop Front Builders and Fitters, 219 and 227 Old Street, London, E.C.1.

BARGAIN.—National Cash Register, £80 model, with coin exhibitor; perfect order; new condition; nearest offer to £40 secures. £5 Pathé Hand Camera, as new, 35s. 70 gross 1½-oz. heavy Vials, 5s. gross; crate lots of 25 gross, £11 10s. Ensign Horizontal Enlarger, 7.7 Aldis, £3 10s. 28 volumes Dickens, cost £10, accept £3; perfect condition. 'Phone: East 5864. 393 Mile End Road, E.3.

TO OWNERS OF PROPRIETARIES

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